



JAMES J. FAGAN
Heads United Givers Fund Drive

Steering Committees Plan Fund Drive

Preliminary plans for the 1963 Redstone Arsenal United Givers Fund campaign were completed last week in a meeting presided over by James J. Fagan, this year's Federal Plan Coordinator for the Arsenal.

Mr. Fagan met with members of the Redstone Arsenal UGF steering committee, the Marshall Space Flight committee and officials of the Huntsville-Madison County UGF.

The drive is scheduled for the seven-week period, Sept. 16 to Nov. 2, opening with the annual kick-off rally at the Post Theater. The rally was moved to the Theater this year after having been held at the Rocket Auditorium for the past several years.

In addition to serving as Fed-

eral Plan Coordinator, Mr. Fagan, the scientific and engineering assistant to the Director of Research and Development, is the Executive Chairman of the Redstone Arsenal UGF.

Serving with him on this committee will be Allan A. Norman, who is the executive secretary, Walter M. Reddin, assistant secretary, and A. C. LaGrone, finance and reports chairman.

The MSFC drive, to be conducted simultaneously with the Redstone drive, is headed by James T. Shepherd.

The solicitation will be similar to the highly successful campaign waged last year under the leadership of H. C. Lowers. A record total of \$203,445 was turned over to the UGF and other charitable

agencies last year.

The Executive Chairman told the steering committee that the main stress of the campaign would be directed toward realization of a 100 per cent Fair Share contribution. A Fair Share was established as 80 per cent of one day's pay at the starting rate of the grade.

"It is very important that we attain this," he stated, "since the Redstone Arsenal and Marshall Space Flight Center organizations play such an important part in the welfare of the community."

The two drives being conducted on the Arsenal constitute major elements in the annual Huntsville-Madison County drive.

In meeting with the officials of the local organization, Mr. Fagan learned that the budget for the Huntsville-Madison County UGF had been increased by \$80,000 to support the 30 agencies which they service.

This budget increase is necessary to enable the individual agencies to perform their service with the tremendous influx of population in this area.

For Mr. Fagan and Mr. Norman, directing a campaign of such magnitude is a new experience, although each is a veteran of several (See UNITED FUND on Page 3)

The Redstone Rocket

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REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

September 4, 1963

Army Nike X Scores Again Over Pacific

For the second time in a week, the Department of Defense Friday announced that the U. S. Army had made a successful interception of a target vehicle launched on a 5,000 mile trajectory at intercontinental ballistic missile speed in the continuing test program to further development of its Nike X anti-missile missile system.

The interceptor missile, a three stage Nike Zeus, was fired and controlled from the Army test installation on Kwajalein Island in the mid-Pacific.

Fired west over the Pacific Missile Range, the target vehicle was boosted by an Atlas ICBM launched from Vandenberg Air Force Base, Calif., in a training exercise carried out by the Strategic Air Command.

The intercept made public Friday was the ninth announced by the Defense Department.

The announcement made earlier last week concerned interception of a target vehicle which had been boosted by a Titan I ICBM, also launched from Vandenberg.

Components, concepts and techniques, evaluated and proven in the test engagements are being applied to the Nike X system development, an advanced anti-missile missile system with greatly improved capability.

The Nike Zeus missile will be used in the Nike X system, as will other equipment developed in the earlier program. A high acceleration Sprint missile and a multi-function array radar (MAR) are also being developed for the Nike X system.

Ground distance from Kwajalein and the altitude of the intercept were not revealed. The Army said precise tracking equipment proved the Zeus missile got within killing distance of its target.

Neither missile carried a live warhead.

A number of Nike Zeus missiles have been fired to date as part of the Nike Zeus development program. In addition to test firings against test targets and simulated targets (fed into the computer from tapes) other firings have been conducted to verify missile structure and to test operation of the ground complex. These tests have been conducted over the past four years from firing sites at White Sands Missile Range in New Mexico, Point Mugu in California, and at Kwajalein Island (See NIKE X on Page 3)

A Letter Of Appreciation

If it were possible, I would like to thank personally and individually each of you who made an expression of sympathy to me and my family during the past few days.

We do appreciate the concern and respect paid by all who came to the funeral home and the post chapel.

Especially do I want to thank the members of the Post Hospital staff who stood by so loyally, the military policemen, personnel at the Army Airfield and Post Chapel and those of the honor guard who stood the long watch of respect.

Your kindness, your offers of assistance, everything you did was a comfort to us in our great loss.

CATHERINE F. McMORROW

Missile Work Awards Total \$30 Million

The U. S. Army Friday announced the award of \$30,283,796 for work on the Shillelagh, Nike Hercules, Hawk and Sergeant missile systems, and a target missile. Six firms received the awards for work at their plants in five different states.

The largest award, \$10,143,000, went to Douglas Aircraft Co. for production of Nike Hercules missile air frames at its Charlotte, N. C. plant.

Sperry Utah Co. received \$8,588,319 to cover engineering services for the Sergeant ballistic missile system. The work will be done in the company's Salt Lake City, Utah plant.

Philco Corp., Aeronutronics Division of Ford Motors Co., received \$7,000,000 for continued development of the Shillelagh missile system. The work will be performed in Newport Beach, Calif.

Two awards went for work on the Hawk air defense missile system. The Northrop Division of Northrop received \$2,012,720 for production of wing assemblies, at the company's plant in Anaheim, Calif. The other award, \$1,097,167, to Intercontinental Manufacturing Co., Garland, Tex., is for production of Hawk motor parts at its Garland plant.

The Beech Aircraft Co. received a \$1,442,595 award for production of Model 1025 target missiles in the company plant, Wichita, Kan.

The Nike Hercules air defense guided missile is an operational system on guard around key cities and defense installations.

Sergeant is a field artillery missile system that is reliable, rugged, accurate and mobile.

Shillelagh is being developed (See \$30 MILLION on Page 3)

WATERTOWN HAS NEW COMMANDER

Watertown Arsenal, an element of the Army Missile Command, has a new commanding officer. He is Col. Erik W. Jordahn, an officer with a background in aviation ordnance and ammunition production.

Col. Jordahn succeeds Col. Robert B. Braid who became Nike Zeus Deputy Project Manager at Redstone Arsenal.

The new Watertown Commander assumed his duties on Aug. (See WATERTOWN on Page 3)

Second Pershing Launched From Hueco By Troops

GERMAN, UNITED STATES TROOPS PARADE FRIDAY

Music of the United States and the German National anthems rang across the Redstone Arsenal parade field Friday night during the monthly parade of all the troops assigned at Redstone Arsenal.

Brig. Gen. H. P. Persons, Commanding General of the Army Missile Command was the reviewing officer.

Three men retiring from the United States Army after more than twenty years of active service were honored during the Retreat Parade and Review.

They are: Lt. Col. R. R. Javins, Maj. Harry Bensley and SP7 George D. Casey.

On the reviewing stand with Gen. Persons were Col. Thomas W. Cooke, Commander of the Army Missile Support Command; Col. William J. Macpherson, Commandant of the Ordnance Guided (See PARADE on Page 3)

The U. S. Army last week fired its second Pershing ballistic missile in as many weeks from Hueco Range, part of Fort Bliss, Texas.

The missile's impact point was in the northern part of sprawling White Sands Missile Range, N.M.

The Aug. 27 launch was the Army's second over-land shot of its long-range ballistic missile. It was fired, as was a similar launch a week earlier, by soldiers clad in olive drab combat fatigues who are participating in the Pershing's Service Test.

The current series of Service Test firings is designed to further prove the missile system's capability to operate in virtually any kind of weather or terrain.

Service Tests are being conducted at the arid test site in southern New Mexico, and at points in Utah and northwestern New Mexico. The tests are designed to determine if the highly reliable Pershing missile system meets the desired military characteristics when used by soldiers in the field.

The development of the Pershing has been managed by Col. O. M. Hirsch, Pershing Project Manager, and his staff, from head- (See SECOND on Page 3)



AND YOUR NEW JOB?—The new Commanding Officer of Watertown Arsenal and the former Commander talk over their new jobs during the new commander's visit to Redstone Arsenal. Col. Robert B. Braid, left, Watertown to become Deputy Project Manager of the Nike Zeus Project. Col. Erik W. Jordahn, right, assumed command of the Army Missile Command element at Watertown, Mass., on Aug. 20. This past week he visited Redstone to meet with Brig. Gen. Howard P. Persons Jr., Commanding General; Brig. Gen. Charles Eifler, Deputy Commanding General, Land Combat Systems; Col. F. L. Furphy, Chief of Staff; and others.

The Redstone Rocket

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Rocket Ruminations

If you dig deeply enough into your family tree, you're bound to uncover some sap.

A Decade of Armistice And No Sign of Peace

A troubled decade has passed since the Korean Armistice was accomplished.

In the conflict, that was neither won nor lost, the United States had 136,913 casualties: 33,629 killed and 103,284 wounded.

Two days after the 10th anniversary of the Armistice, North Korean raiders ambushed a U.S. Army jeep patrol, killing two Americans and critically wounding a third.

Three days later, another American died in an exchange of gunfire with North Koreans.

So, there was nothing to celebrate.

The puppet North Koreans, aping the belligerence of their mentors in Peking, have again shown the world that the West can expect no respite in the Cold War. It seems more than coincidence the guns should start crackling just after Moscow and the West reach an accord on a test ban treaty and the USSR appeared to disagree with the Peking government on how the Free World should be buried.

There was nothing to celebrate.

The end of the decade could only be marked, as the passing of 10 tension-filled years during which the inflexible ruthlessness of the Reds has not changed one iota. (AFPS)



REDSTONE PIONEERS—Four veterans of service with the Redstone missile system join Brig. Gen. Charles W. Eifler, Deputy Commanding General, Land Combat Systems, in cutting a birthday cake commemorating the tenth anniversary of the first successful Redstone launch. It was on August 20, 1953, that the first developmental Redstone was fired from Cape Canaveral down the Atlantic Missile Range. Since then the Army's "old reliable" has been launched more than 80 times as a missile weapon system and as a booster used in other systems in the nation's space program. The Redstone veterans participating in the brief ceremony at the Army Missile Command are (left to right): W. R. McKewen, CWO Tom Ellis, Gen. Eifler, R. O. Ramsey and G. L. Arnold. Each of the four has worked with the Redstone continuously since 1956 when the missile was assigned to the Army Ballistic Missile Agency.



VALUE ANALYSIS DISCUSSION—Three officials of the Army Missile Support Command talk with an expert in value analysis following a recent conference on that subject at AMSC headquarters. Left to right are Robert L. Bidwell, a contractor representative who discussed value analysis principles; Lt. Col. Earl D. Hicks, Assistant for Communications; Col. Thomas W. Cooke, Commander, AMSC; and Lt. Col. R. F. Kriz, Chief, Control Office. Attending the recent conference were about 60 top management officials of AMSC. Bidwell explained specific examples of value analysis items which have possible application at AMSC.

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Alconbury AB, Eng. (AFPS) — A biting fear gripped U.S. Air Force personnel here when news

of Charlie's operation leaked out.

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SECOND

(Continued From Page 1)

quarters at the Army Missile Command.

Last week's Pershing launch, as well as the earlier shot from Hueco Range, provided impact data as well as additional information on Pershing's performance on a south-to-north trajectory.

This launching was the missile system's second "away-from-Canaveral" flight. An earlier launch was conducted on Aug. 20, from the Texas military installation.

The missile's latest flight came at 10:45 a.m. (CST), illustrating again the simplicity of the missile system when combat soldiers sent it roaring off its self-contained mobile launch pad.

The latest Pershing launch contrasted sharply with earlier firings from Cape Canaveral, Fla., where Pershing reliability was proved in dozens of successful research and development flights.

Last spring, at Cape Canaveral, in a transition from R&D to the Service Test, soldiers began firing the missile from the ocean-side launching site.

During the missile's research and development period, and continuing into its Service Test, the highly reliable missile has chalked up the best record ever achieved by any missile launched from Cape Canaveral.

During the transition from R&D to Service Test, newsmen representing major news media witnessed the Army's long ballistic "right arm" score a perfect flight following one of the most rugged overland marches ever endured by a United States missile system.

The missile was bounced through ravines, plowed over palmettos, and sent roaring through choking sand and heavy underbrush. After the "jolting," it was erected and fired.

The extensive testing further proved the missile's capability to operate over virtually any terrain.

A couple of months earlier, Pershing's capability to function normally under rugged weather conditions was proved when the missile was fired in a driving rain-storm and gale-force winds. As expected, Pershing performed perfectly.

The ballistic missile system was taken from Cape Canaveral to White Sands Missile Range for extensive Service Testing following the completion of flights from the Atlantic Missile Range.

The current series of Service Test firings being conducted to impact inside the White Sands boundary, are under the direction of the U. S. Army Artillery Board, Fort Sill, Okla.

The firing unit for both of the latest Pershing launches was A Battery, 2nd Missile Battalion, 44th Artillery, from Fort Sill, Okla.

Battalion Commander is Lt. Col. Patrick W. Powers, and commanding A Battery is Capt Donald Phipps.

As a part of the continuing tests, a massive convoy of Pershing missile equipment and its supporting gear, will make an extended road march from WSMR to Blanding, Utah, during early Sep-

UNITED FUND

(Continued From Page 1)

eral years at the Arsenal and each has had indirect roles in past drives.

As a matter of fact Mr. Fagan was the chairman of the Red Feather campaign on the Arsenal in 1953.

However, he is quick to comment that there is a great difference between the two. The drives in those days were conducted on a much smaller scale than the present campaigns.

Fagan came to Redstone in 1950 from Ft. Bliss as the assistant chief of the Research and Development Division of the Ordnance Missile Laboratory.

He is a native of Terre Haute, Ind., and a graduate of the University of Notre Dame with a Bachelor of Science degree in chemical engineering. Since coming to Huntsville he has been very active in the affairs of the community.

Like the chairman, Mr. Norman has been actively engaged in the life of the community since coming to Huntsville from Ft. Monmouth, N. J., in 1957. He is deputy chief of the Combat Requirements Branch, Future Missile Systems Division, in Research and Development.

A graduate electrical engineer from Brooklyn Polytechnic Institute, Norman is a native of Long Branch, N. J.

Although he had never been engaged in the management of a campaign such as this, Norman readily accepted the steering committee assignment as a means to serve the people of the community.

The agencies serviced by the Huntsville-Madison County UGF include: the Grace Center Day Nursery, Christmas Charities, United Jewish Appeal, Harris Home for Children,

Travelers Aid, Red Cross, P-TA Milk Fund, Salvation Army, Family Counseling Service, Crippled Children, Aid for Retarded Children,

Mental Health, American Hearing Society, American Social Health Association, Central YMCA, Virginia McCormack YMCA, Boys' Club, Boy Scouts, Girl Scouts, Church Street Community Center, USO, National Recreation Association, Madison County Council of Community Organizations, National Social Welfare As-

sembly, Child Welfare League,

National Council on Crime, Council on Social Work Education, International Social Service, Joint Activities Council (Redstone Arsenal military donations).

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NIKE X

(Continued From Page 1)

in the Pacific. Of tests conducted thus far, more than half have been completely successful and an additional 25 per cent were partially successful in meeting test objectives.

The capability of intercepting a single target vehicle launched by an ICBM under research and development conditions is a valuable aid to our understanding of the basic factors involved in problems in this field.

Components of the Nike X system are being developed and tested at a number of sites. Firings are carried out at White Sands Missile Range, N. M., and the Pacific Missile Range Facility on Kwajalein.

Western Electric Co. is the prime contractor for the Nike X system and Bell Telephone Laboratories has responsibility for system design and development.

Douglas Aircraft Co. builds the Zeus missile. The Sprint missile is being developed by Martin Company's Orlando, Fla. division.

WATERTOWN

(Continued From Page 1)

20 following his graduation from the Army War College at Carlisle Barracks, Pa.

Col. Jordahn is a graduate of Georgia Institute of Technology with a degree in Chemical Engineering. He also attended the Massachusetts Institute of Technology.

During his Army career he has been Munitions Production Officer at Indiana Arsenal; Assistant for Industrial Operations, Command Headquarters, Japan; Procurement Officer, DSCLOG; and Logistics and Procurement Officer in Germany.

sembly, Child Welfare League, National Council on Crime, Council on Social Work Education, International Social Service, Joint Activities Council (Redstone Arsenal military donations).

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(Continued from Page 1)

as a lightweight, surface-to-surface guided missile for close-in support of troops.

Hawk, an operational missile system, is designed for protection from enemy aircraft flying at low altitudes.

Model 1025 target missiles are used in evaluation of various missile systems at McGregor Range, N. M.

The programs for Nike Hercules, Sergeant and Hawk missiles are under project management from headquarters located at the Army Missile Command.

The Birmingham Procurement District will administer the Douglas contract for Nike Hercules work, the Los Angeles Procurement District the Sperry Utah contract on Sergeant, the Nortronics contract for Hawk and the Shillelagh contract, and the St. Louis Procurement District the Intercontinental Manufacturing Co. contract for Hawk and the Beech Aircraft Co. contract for target missiles.

PARADE

(Continued From Page 1)

Missile School; Col. Charles R. Graham, Missile Command representative; Lt. Col. Hans Finck, German Army; and Lt. Col. John Heinrich Hellmers, German Air Force.

The Commander of Troops was Lt. Col. J. H. Weaver from the Missile School. They marched to music by the 55th Army Band under the direction of CWO Robert E. Edmonds.

Three men who did not participate in the parade were also scheduled to retire at the end of

Contract Negotiations Begin Between Support Command And Lodge

Contract negotiations got under way yesterday between the Army Missile Support Command and the American Federation of Government Employees, Lodge 1858.

Col. Thomas W. Cooke, Commander of the Support Command, has named a six man panel to negotiate for the Command. The union panel is made up of four men and two women.

Members of the Support Command Negotiation Panel are Col. David A. Marcelle, chairman, Sidney Mintz, William R. Henry, Wildon C. Neely, Luther H. Adams and James L. Carroll.

Negotiating for the union will be Dennis Garrison, chairman, Ernest Jackson, Lester Mitchell, Raymond B. Swain, Jessie L. Draper and Myrtle Teel.

Lodge 1858 was recently given exclusive recognition to represent all eligible civilian employees of the Support Command in major negotiations and labor management relations.

The approval of recognition by the U. S. Army is based on the fact that 59.8 per cent of the civilian employees of AMSC are bonafide members of AFGE.

Granting of exclusive recognition is based on President Kennedy's Executive Order 10988 which authorizes organized groups within the Federal services to be recognized on an informal, formal or exclusive basis.

this month: M/Sgt. Francis L. Gardner, M/Sgt. John A. Taormina, and SFC Raymond E. Burwell.

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Nancy Nielsen Enjoys People, Places, Action

As gregarious as a puppy at a party, Nancy Nielsen naturally attracts people because her enjoyment of their company and activities is obvious and warm.

She is a position classifier in the Army Missile Support Command's Civilian Personnel Office.

Curiosity leads her along many avenues. She was born in North Alabama—grew up at Hazel Green and learned practicality along with her love of books. Her reading usually is confined to the period between work and a car pool night and morning.

She walks the two miles from home to the highway, because she loves to view the everchanging scene on Brindlee Mountain where she and her husband Paul make their home.

Their farm is backed by a cliff along which wild goats graze. The Nielsen's surmise that once the goats' ancestors belonged to someone just as the black Angus and Herefords they are breeding belong to them. But the goats wandered away and their offspring learned to survive without people.

Paul interrupted an engineering career at the Marshall Space Flight Center to become a full time farmer.

He and Nancy met while she was working in the Civilian Personnel Office at Redstone Arsenal. He was an Army lieutenant at the Army Ordnance Guided Missile School.

When his transfer to White Sands Missile Range came through, Nancy applied for a job and was hired in the Civilian Personnel Office there. Her greeting, after two years on the job at Redstone, was "Oh, we've been waiting for you. You are the one with all the experience."

Comparatively she was. The turnover was so great that the time she left two years later, only she and one other girl from the original staff remained.

Nancy's warmth and Paul's language ability have led them into some novel experiences.

When the Bronco Kransvich chorus was in Huntsville they sat in the front row and cheered the travel weary group into a desire to sing. Afterward, with Paul talking Russian and the chorus Yugoslavian, they all went out to supper. In the morning, Paul and Nancy went to breakfast and wished the group godspeed before the chorus continued on its scheduled tour.

On another occasion, the coincidence of a name led them into befriending Danish troops

stationed at Redstone Arsenal. An unidentified woman found a textbook with the name Nielsen on the fly leaf and called the only N-i-e-l-s-e-n in the phone book. After much questioning, Paul learned that the book was a text in Danish and called the Guided Missile School to locate the owner. He then took Nielsen to the address the caller had given. Afterward they went to the Nielsen farm which soon became a weekend haven for all 30 of the troops from Denmark studying missilery at the school.

Nancy keeps her freezer filled from the garden and orchard. She manages her blanching between the hours she works and the hours set aside for such activities as the Little Theater and choir at the Church of the Nativity.

As Ada in Tobacco Road, Nancy died four times.

On the job, people are now seeking Nancy's identification of the flora indigent to the region. It all started with arguments about the pedigree of a paulownia tree which stands in front of the Civilian Personnel compound. She established the ancestry of the tree and found the study so fascinating she continues to study the plants she finds around her.

Nancy toured Europe with the Redstone Recreation Association with intent to osmose as much color and change as she could possibly cram into four weeks. Sleeping she considered a waste of time. She drew a roommate who needed her sleep and they got along beautifully. Nancy wouldn't talk when she came in at night and her roommate never awakened fully, hence got the rest she needed.

Like the kaleidoscope of color on the New Mexico desert which Nancy loved, the windowboxes of flowers all over Europe attracted her attention. She was delighted to find them gracing city shops and homes as well as in villages and across the countryside.

The imaginative shoes attracted her in Italy. In Switzerland she made a purchase, using her limited knowledge of German and then discovered the shop girl talking to one of her friends in English. Once, she lost herself in Belgium when she went walking alone and lost her bearings. The beer gardens in Bavaria proved as picturesque as her imagination and the demoniac imagination of a German baron who devised water sprays in the seats around a table for his unwary guests are only a few of the things she likes to recall.

Nancy likes her present job as classifier better than her previous one as administrative assistant. In her present position she has more direct business with people and fewer with paper work details.

Her "beat" is dual: the Supply and Maintenance Directorate and the Production and Procurement Directorate.

The only thing which sometimes chills her is the need to say "no." She philosophizes that somebody has to say it occasionally or there would be no need for Nancy and her co-workers in Civilian Personnel.

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HAS SECRET AMBITION—Nancy Nielsen would like to be a globe-trotter, but she also enjoys her job as a position classifier in the Civilian Personnel Office of the Army Missile Support Command. It brings her in contact with many people.

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Unusual Breeds Make Home On Missile Range

Contentment Is Keynote In Pastures

The U. S. Army Missile Command's Pershing missile test complex at Redstone Arsenal looks down on 2,850 acres of luscious green pastures where a different kind of machine is maturing for use on family dinner tables. These are some 400 vigor-packed beef machines — including Brahman and Charbray breeds of cattle going placidly about their way munching grass and growing fat for the market.

This extraordinary looking group of beasts makes up one of the herds raised by Alabama cattlemen on the 17,500 acres they lease from the Army at Redstone.

Brahman are not new to cattle raisers, but this is the first time they've been strolling and ruminating their way across the pastures of Redstone.

The rugged, docile Charbray represent a fairly recent innovation for U. S. cattle breeders. They are a hybrid resulting from crossing Brahman and French Charolais, and reputed to be happy, cheerful creatures that put all their thoughts on turning into tender, juicy steaks and roasts.

The Army leases almost 18,500 acres, of the approximately 40,000 acre installation, to farmers for hay crops and grazing. This results in a tremendous savings to the government. The cows keep the grass cropped short, and the

cattlemen keep the brush cleaned out as part of the agreement in their leases. James Weldon, Post Engineer realty specialist, estimates that the Army saves from \$130,000 to \$140,000 annually in grounds maintenance thanks to the bovine lawn mowers.

Only a little more than 1,000 acres of the leased land is in hay. The land near living quarters is not leased for grazing, nor the land with perimeters not easily fenced.

The 400-head herd which includes the Charbray and Brahman are part of about 5,000 contented cattle grazing the Redstone pastures.

Redstone Arsenal, originally established as a World War II ammunition loading plant, was laid out over a vast amount of land to give ample space between buildings in case of fire or explosions.

Later Redstone was converted to use as a center for Army rocket and guided missile development. The land not populated by these activities is leased to farmers and stockmen.

"Land is becoming precious in this part of the country," Weldon said. When any of the 33 areas for lease comes up now for bid, the prices submitted are going up each time. The most recent highest bids ran from \$3 to \$5 an acre annually for five year leases. They used to be only a dollar or two per acre.

There are presently 25 different lessees using the plots which vary in size from 51 to 2,850 acres.

A few horses are also pastured on the Arsenal, mainly those used for cattle herding.



WE'RE NEWCOMERS—This Charbray cow, a new breed for Redstone Arsenal pastures, pauses to question the disturbance caused by a photographer in the midst of her herd. Army Missile Command personnel go busily about their tasks beyond the quiet meadows inhabited by some 5,000 cattle.



BEEF MACHINES OF REDSTONE—A Brahman cow and her offspring look with disdain at the cameraman who approached them for this interruption of their peaceful grazing across 2,800 acres of pasture at Redstone Arsenal, home of the Army Missile Command. The cattle belong to an Alabama cattleman who leases the land from the Army.

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Ft. Campbell, Redstone Tangled, Redstone Lost

Slim Fort Benning righthander Dick Carton curved Fort Campbell right out of the 1963 Third Army Baseball Tournament Thursday afternoon (Aug. 29) at Gowdy Field, twirling a sparkling 2-0 shutout over the Kentucky post nine.

Carton, a native of Milburn, N. J., scattered five hits in becoming the third Fort Benning pitcher to go the route in the tourney.

It was also Carton who scored both of Fort Benning's runs. In the sixth inning he led off with a soft liner to short which the shortstop bobbled and then moved to second on a bunt by leadoff man, Roger England of Duquesne, Pa.

Moments later second sacker Elroy Zamora of Albuquerque, N. M. rapped a grounder to second which eluded the Campbell fielder into right field and Carton came on home on the play.

In the ninth inning Carton led off with a ground single through the box and moved to second on a bunt single by England. Two outs later Pedro Berrios of Humacao, P.R. lined a single to left and the Benning hurler romped home with run number two.

On the short end of the final outcome was Campbell pitcher Ted Maxwell of Dallas, Tex., who went the distance while giving up six hits.

Fort Benning was errorless in the field while Fort Campbell committed two fielding miscues.

Fort Campbell threatened in the seventh inning when Dick Schneibel of Portland, Ore., lined a single to center and two outs later moved to second on a base knock to left center by shortstop Al Pope of Jersey City, N. J.

The win entitled coach Bob Kinnard's crew to meet once beaten Redstone Arsenal Thursday evening (Aug. 29). Unbeaten Fort Bragg then met the winner on Friday (Aug. 30) at 2 p.m.

Capitalizing on 8 hits and 8 Redstone Arsenal errors, Ft. Benning, pounded Pedro Berrios and company, avenged an earlier defeat at the hands of the Alabama team, 8 to 1, Thursday night, Aug. 30, at Gowdy Field.

Unbeaten Fort Bragg handed Redstone Arsenal its first defeat

Geologist To Speak

P. E. La Moreaux, State Geologist, will speak to the Northeast Alabama Chapter, Alabama Society of Professional Engineers at 7:00 p.m., Sept. 12 at the HIC cafeteria.

La Moreaux will discuss "Alabama's Restless Resources."

Chapter members and all local area engineers are invited. Reservations may be made before Sept. 10 by calling Jim Webb, Zeus Project Office, 876-6323 or Randy Neal, Zeus Project Office, 876-1963.

in the 1963 Third Army Baseball Tournament Thursday morning (Aug. 29), at Gowdy Field, 5-1.

Fort Bragg righthander Dale Smith started the contest, giving up Redstone's one run in the sixth while scattering seven hits. Bill Chilson relieved Smith in the sixth inning with one man out and shut the door on the Alabama team the remainder of the game.

Redstone Arsenal pitcher Bob Gaweiko suffered the loss, as Bragg tagged him for three runs on four hits. The second Redstone hurler, George Downing, was clubbed for two unearned runs on four hits. Downing came on in the fourth inning.

The North Carolina Post Squad was the victim of two errors while the Arsenal contingent fielded perfectly.

Bragg catcher Charles Gross and Jim Stauffer, playing at third base, both collected two hits. Gross smashed a double and a single for one run batted in while Stauffer slapped out two singles and scored a run.

Bragg scored its initial run in the bottom of the second when Stauffer opened with a single to left, Smith slammed a hot shot down the third base line and Bill Tryder beat out a chopper to shortstop, loading the bases.

Gaweiko then proceeded to walk Walt Johnson scoring Stauffer from third before retiring the side.

Fort Bragg added two tallies in the fourth when Smith reached first on an error by the shortstop and then moved to third on two passed balls. Tryder walked and stole second after which Johnson walked filling all three bases.

With Downing now on the hill for Redstone, George Hennessey drove a sacrifice fly to left scoring one runner and moving one runner to third while the other held at first. A grounder by Dick Schmidt brought the runner scooting home from third.

In the Redstone sixth Bob Woletz of Eau Claire, Wis., singled to center, Albert Elliott of Bay Shore Long Island, N. Y., whacked a single to left center and Bob Harris singled to center, driving in Woletz.

The final two Bragg runs came in the bottom of the sixth when Tryder walked and completed the base cycle on three passed balls. Johnson, the next batter, walked, moved to second on another passed ball and minutes later raced home from second on a rifle shot up the middle by Charles Gross.

The theme for the 1963 Freedoms Foundation Letter Writing Contest is "What Can I Do For Freedom?"

Support the Freedoms Foundation. Enter this year's Letter Writing contest today. "What Can I Do For Freedom?" is the theme.

Gaweiko Pitches Redstone Victory

(Sports by Colbert)

Pitcher Bob Gaweiko, with two men on in the ninth, smashed a double to deep center field scoring two runs thereby tying the game Redstone had with the Decatur Nats here at Linton Field August 22. With Gaweiko on second, Harris, Redstone catcher then drilled a single up the middle to score the winning run.

Redstone led the game off in the first when, Caesar Burkes, right-fielder tripled to right. He was followed by Bennie Aughtman, third baseman who doubled scoring Burkes. An error by the Nats Center-fielder made it first and third and Irv Lyles, center-fielder then drove a double to straight away center scoring two more runs giving Redstone the

Redstone Defeats Ft. Benning In 3rd Army Tourney

Centerfielder Irv Lyles lifted a two run Texas league single to dead center field in the 10th inning of Tuesday nights (Aug. 27) Third Army baseball game at Gowdy Field, breaking a 6-6 tie and sending Redstone Arsenal sailing past Fort Benning, 8-6.

Four Ft. Benning pitchers gave up a total of 10 hits, the winning blow coming at the expense of southpaw J. R. Miller, who Monday night tossed a 7-1, four hitter over Ft. Campbell, Ky.

Ed Drabczyk, Redstone pitcher hurled seven and one-third innings, allowing all six Benning runs on but five hits.

Righthander George Downing pitched the final three and two-thirds innings, holding Benning to but one safety.

Ft. Benning scored single runs in the first, third, fifth and sixth innings and came up with two in the seventh.

Pedro Berrios, swinging the hottest bat in the tourney with five hits in seven official trips to the plate, connected for a triple and a single while driving home four runs.

Redstone tallied once in the third, three time in the seventh and scored twice in both the eighth and the tenth.

Batting stars for the Redstone contingent were pitcher Drabczyk and Lyles. Drabczyk cracked two doubles and a single while Lyles smashed a triple and the game-winning single. Downing, who pitched a tremendous game in relief, received credit for the victory while the loss went to Miller.

Ft. Benning was charged with four errors and Redstone two. Benning left 14 runners stranded on base and Redstone nine.

Redstone by defeating Ft. Benning now has a 2-0 record for the tournament, getting credit for a bye the first time out.

Redstone and Fort Bragg were both undefeated.

Redstone Riflemen Win Trophies At Camp Perry

lead 3-0.

The Nats got a pair of runs in the second and third innings to go ahead 4-3. Another Nat run in the fourth made it 5-3.

In Redstone half of the sixth, on a walk and three singles Redstone tied it up 5-5 but the tie didn't last long. The Nats got two runs in the seventh and two more in the eighth to make it 9-5.

Redstone batting in the last of the eighth managed to get two runs to make it 9-7 and went on to win it in the ninth with three more runs. Final score: Redstone 10, Nats 9.

Decatur Nats			
	ab	r	h
G. Jones, cf	4	1	0
Porter, ss	5	1	2
French, 1b	3	1	0
Chairs, c	4	1	2
J. Jones, rf	5	0	0
MacLain, 3b	5	0	1
Thompson, lf	4	0	0
Mathews, 2b	4	3	2
Grey, p	4	2	1
TOTALS	38	9	8

Redstone Rockets			
	ab	r	h
Burkes, rf	5	2	3
Aughtman, 3b	4	1	1
Anderson, ss	5	0	1
Gebhard, 2b	3	2	1
Lyles, cf	3	2	2
Woletz, lf	5	0	0
Drabczyk, p	4	1	1
Elliott, 1b	2	0	0
Harris, c	5	1	2
Gaweiko, p	2	1	1
TOTALS	38	10	12

Decatur		Redstone	
Nats	0 2 2 1 0 0 2 2 0	9	
Rockets	3 0 0 0 0 2 0 2 3	10	

Firing against shooters from 50 United States and Canada, Redstone Arsenal's smallbore rifle team brought home six trophies.

Redstone's team at the Camp Perry annual match this month—shooters firing in different categories from Aug. 1 to Sept. 2—included CWO Harley G. Winterrowd, Headquarters and Headquarters, S/Sgt. Obie S. Mueiting, Co. B, SP6 James I. Maloney, Co. A, SP5 John R. Violette, Co. B, SP5 Nicholas DiMona, Co. B, and PFC Garey E. McGee, Co. B, all from the Ordnance Guided Missile School.

Competing against a field of about 800 military and civilians CWO Winterrowd won three out of four in the four position match and took the position match aggregate. He fired as a marksman.

SP5 DiMona, also a marksman, was first in the 50 meter and first in the 100 yard any sight prone matches.

SP6 Maloney, firing as a sharpshooter placed second in the Dewar prone any sight and second in the 50 meter any sight prone matches.

The team firing as sharpshooters, were first in the four position match using iron sights. Firing for Redstone were CWO Winterrowd, Sgt. Mueiting, SP Violette and SP DiMona. PFC McGee backed them as coach.

Don't forget to enter the Freedoms Foundation Letter Writing Contest for 1963. Send your entries to Freedoms Foundation, Valley Forge, Pa.



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At the Service Club

By: Brenda Hanson

Here's an instant quiz to determine your sociability rating and the amount of imagination you have:

- (1) Have you ever said there was nothing to do in Huntsville?
- (2) Do you ever stay in the barracks at night, not because you want to, but because you can't think of anything else to do?
- (3) Do you hate people but love music?
- (4) Do you hate music but love people?

You can find your rating in the Miscellaneous section of this column, but don't go dashing right down to read it, read through the schedule for this week, and when you find out how sociable you are, you'll know what to do with your charming self on those empty evenings.

The first event is the weekly

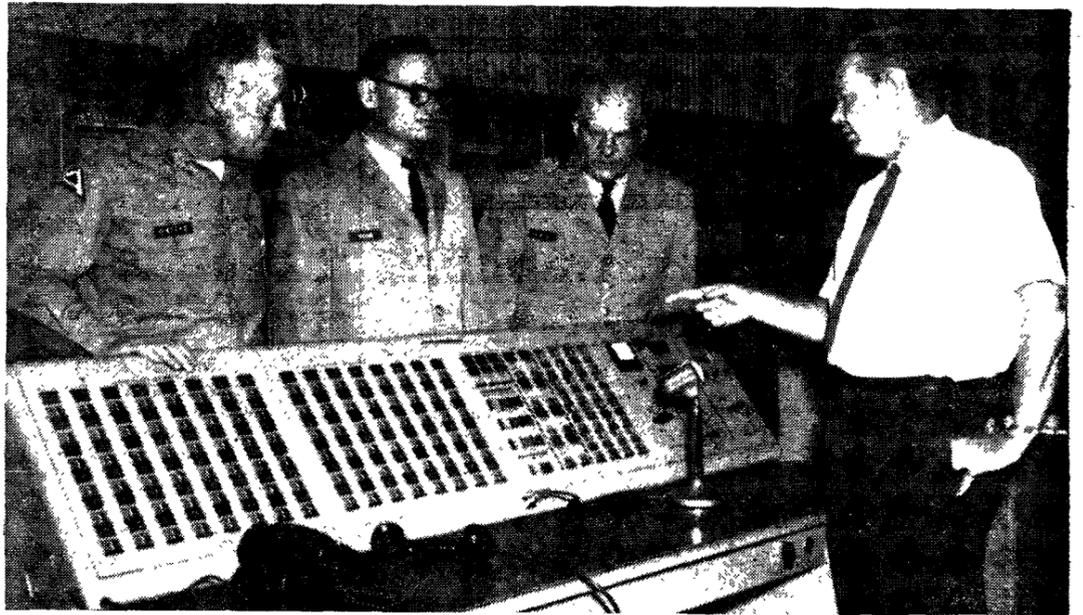
Dance Class taught every Wednesday night from 7-9 p.m. We give you a special invitation to join the class. Some of the dances that are being taught at present are the Mamba, Samba, Swing, Jitterbug, Fox-trot, and various other ball-room dances.

The EM Council will meet Wednesday, Sept. 11 at 2 p.m. If you have a suggestion to add to our programs, pass it on to the representative of your company and he will submit it to the program director.

Starting Thursday at 7:30 p.m. is the beginning of Cards, Cards, and more Cards. Be it Kanasta, Hearts, Crazy Eight or most any card game you like will be going on at the Service Club on Thursday night.

A Chess Contest will be held Sept. 13 at 8 p.m. offering another skillful player a chance to cover himself with glory and win a prize.

Do you think that you know the Popular tunes of the Day? If you



THE DRIVER'S SEAT—Brig. Gen. Russell McNellis (second from right), the Army's top veterinarian officer, looks over the firing control console of the Test and Evaluation Laboratory's Static Test Facility during a recent visit to the Army Missile Command. Shown from left to right are Col. John T. O'Keefe, chief of the Directorate's Development Division; Lt. Henry E. Bohn, post veterinarian; Gen. McNellis; and Frank Bunn, chief of the Laboratory's Test Operations Branch. After looking over the veterinarian facilities on post, Gen. McNellis made a short tour of the Directorate of Research and Development.

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do, come down on Sept. 14 and play "Name that tune." Prizes will be given to the winner.

On Sunday, Sept. 8, Coffee and Donuts are served from the kitchen beginning at 9 a.m. Start your day off by coming to the Service Club for a hot cup of coffee and fresh donuts. Don't be one of these people who let dredging hours of boredom hover over your head by not getting in on the activities. Then, the event of the day is the Record Dance at 8 p.m. The dance will swing out under the theme of "September Fling." We invite all of you to attend the dance. Both the Huntsville and Birmingham Hostesses will be present to assist with the dance.

Sept. 9 is set aside as "Game Night." A Grand Prize will be given. So at 8 p.m., come over and take a free shot at the prizes. Who knows, you just may be the one to take away the grand prize.

Tuesday, Sept. 10, we have a birthday party scheduled. If your

birthday is in September, this party is planned for you. Make it known and we'll serve cake and coffee. Come down and let's celebrate.

INTEREST TO ALL POOL SHARKS: We are conducting a Post-Wide Pool tournament on Sept. 19 and 20. We would like to have a representative and an alternate from each unit represented. If there is a shortage of equipment and you have nowhere to play, the Service Club is open for play-offs within the units. A nice trophy will be given to the individual winner of the tournament, and also to the company of the winner. So let's all try to carry this trophy back to your units' trophy case. O.K.?

Miscellaneous

Here's the rating for the quiz. If you answered "No" on the first one, not only do you have imagination, but you are probably lying; if your answer was "Yes," then don't worry, just about everybody

says this at one time or another, but if you can't find anything to do in Huntsville, try your Service Club.

A "Yes" answer on the second shows a lamentable lack of imagination, because there's always something going on here at the club, and it's within easy walking distance of the barracks; a "No" answer doesn't indicate anything except that you're better off than those who said "Yes."

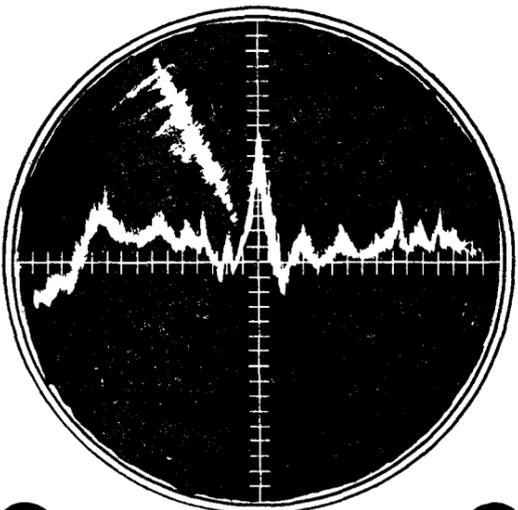
The third and fourth questions are traps, as no matter what you say, you're going to wind up liking either music or people, and both are to be found in abundance here at the club. Now here's your sociability rating:

Those of you who read this and decide to drop by the Club when you're bored and have nothing to do are sociable, and those of you who don't are anti-social. Simple, isn't it.

See you at the Club.

Brenda

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| Economics | Mathematics |
| Education | Mechanical Engineering |
| Electrical Engineering | Physics |
| Engineering Drawing | Political Science |
| Engineering Mechanics | Psychology |
| English | Philosophy |
| French | Russian |
| German | Sociology |
| | Speech |

GRADUATE CLASSES LEADING TOWARD ADVANCED DEGREES WILL BE TAUGHT IN FIELDS OF Engineering, Mathematics, Physics, and Chemistry. Graduate degrees in Mechanical Engineering, Electrical Engineering, Engineering Mechanics, Mathematics, and Physics may be completed in residence in Huntsville.

Persons who have not previously attended the University wishing to enroll for the fall term must make application and file official transcripts well in advance of registration so that determination of eligibility can be made by the Office of Admissions and Records of the University.

TO STUDENTS AT OTHER COLLEGES: A student presently attending another college who wishes to take courses at the Huntsville Center this fall is advised to review the schedule with his dean or advisor to determine whether or not the courses which he plans to take will fit into his course of study. He is also advised to file an application at the Huntsville Center well in advance of registration and also to secure a Request for a Letter of Good Standing to be completed by his college.

For further information concerning these courses and concerning applications, contact the University Center offices in the Huntsville Center Building at 4701 University Avenue, NW., Telephone 539-7731. Registration for the Fall Quarter will be on September 23 and 24, 1963, from 12 noon to 8 p.m.

CLASSES WILL BE OFFERED MORNING, AFTERNOON AND NIGHT.

SOCIAL ^{and} CLUB EVENTS

Mrs. Davidson's Scrapbook Keeps Growing And Growing

Mrs. Richard Davidson, wife of the Post Engineer for the Army Missile Support Agency at Redstone Arsenal, wove the experiences of herself and her friends into a dramatic story published in the August issue of the U. S. Lady magazine.

Mrs. Davidson's writing is only one of her avocations. A native of Greensboro, Ala., she is studying flower arrangement at present — concentrating on Alabama's wild flowers. Her tally of kinds of wild flowers in Alabama ranges somewhere between 200 and 300.

The Davidsons were stationed in French Morocco before coming to Redstone in June, 1962 and her story is told in that setting. It is just one of a series in her scrapbook.

Unlike many Army wives, Mrs. Davidson has lived in more civilian communities than on Army posts. She lived on the damsite while Garrison Dam was being built on the upper Missouri and enjoyed the North Dakota cold because it gave her a chance to ice skate—a sport almost unknown in Alabama.

While in Washington, D. C. she discovered her first clump of trailing arbutus—a flower she had read and heard about but never seen.

These are only two of the scrapbook items she will have to tickle the memories of her daughters

when both are grown. Mary, 9, was born in French Morocco. Winifred is a senior at the University of Alabama this year.

Here mother and father met there while attending summer school. Mrs. Davidson was taking extra courses. She received her degree at Judson College.

She says that she would be perfectly happy to do the research and let someone else do her writing. In Wilmington, Del., where she studied creative writing, she also grew interested in the supernatural. The library was full of records of ghostly phenomena.

At Redstone Arsenal, she collects Indian artifacts from the old chipping quarry. Her scrapbook contribution from this assignment will probably be woven around the early to modern missiles.

Being neighborhood chairman for the Girl Scouts, she pursues her hobbies and helps the girls develop at the same time.

Mrs. Davidson is never bored. She's too busy.

Oldtimers Plan Reunion Nov. 7-8

The Fort Bliss Oldtimers Reunion is scheduled in Huntsville Nov. 7-8.

Final program arrangements are not yet firm but will be known by the middle of this month.

Nov. 7 the group will combine with the Awards Banquet of the Alabama Section of the American Institute of Aeronautics and Astronautics.

Current strength of the group is 226 with 139 living in Huntsville, 72 in other states of the Union and 15 in Germany.

Walt Wiesman is acting as coordinator for the 1963 reunion.

Officers Wives Schedule September Fashion Show

The Redstone Arsenal Officers Wives Club will sponsor a fashion show and luncheon in the ballroom of the Squirrel Hill Officers Club Sept. 10.

A social half hour will begin at 12:30 with lunch served at 1 p.m. and the fashion show scheduled to begin at 1:45 p.m.

Hair styles of the models will be from the Studio of Hair Design, the clothes from Town and Country Shoppe.

Reservations will be taken until noon Sept. 6; cancellations by noon, Sept. 9.

Mrs. L. R. Wright, 877-5676, Mrs. R. L. Bryant, 877-5157, Mrs. J. B. Stewart, 877-5556 and Mrs. J. Farrington, 877-5260 are the reservations committee.

Mrs. Van Roo, Maj. Kuo Win Party Bridge Games

Mrs. Robert Van Roo and Maj. Hsin-Min Kuo were winners for the women and men respectively at Monday night party bridge at the Squirrel Hill Officers Club last week.

Runnersup among the nine tables of competitors were Mrs. A. McL. Cobban and Patrick Smith.

Reservations to play with the group are handled by Mrs. Jerry Maloy.

SOJOURNERS SET ARSENAL MEETING

Members and Ladies of Redstone Chapter No. 353, National Sojourners, will hold their first Fall dinner meeting at the Redstone Arsenal Officer's Club, Friday night at 7:00 p.m.

Guest of honor and speaker is Col. William J. Macpherson, Commandant of the Ordnance Guided Missile School.

For reservations call Capt. E. F. Schick, Jr., 876-0667 or Maj. Rudolph White at 876-3102.

Ajax Will Address Alumni Association

Fred W. Ajax, director of public relations at Georgia Tech, will be the principal speaker at the Georgia Tech Alumni Association meeting Sept. 5.

The meeting will begin with a social hour at the Holiday Inn. Reservations are being handled by Charles Price, 877-2242 and Vern Hutchens, Jr., 534-7668.

Need Paperbacks

Mrs. D. R. Cosby, a spokesman for the Red Cross Gray Ladies, stated that the usual shipment of paperback books was not sent to the Post Library this week and that any contributions would be appreciated.

The books are provided for patients at the Post Hospital. Contributions may be taken to the Red Cross building, 3482, room 1. Their phone number is 876-5750.

Gray Ladies To Be Trained Sept. 16

A new Gray Lady course is scheduled from 9 a.m. until 2 p.m. at the Redstone Arsenal Post Chapel Sept. 16-17.

Trained by Red Cross volunteers, Arsenal Gray Ladies help staff the Post Hospital, the clinics, and the Red Cross Bloodmobile during its monthly visit here.

Information about registration can be obtained from Mrs. G. L. Bass, 877-5263 or Mrs. L. O. Cox, 877-5766.

PLAN FASHION SHOW

The Noncommissioned Officers Wives Auxiliary is planning to invite the wives of all enlisted men stationed at Redstone Arsenal to attend a fashion show at the NCO Club Sept. 24.



JAYCEE FAIR QUEEN—Pretty Mary Haire is reigning as Queen of the Huntsville Jaycee Fair this week at the Madison County Coliseum grounds. She is a junior at Huntsville High and won the honorary title of "Queen" by winning the Miss Huntsville Jaycee contest in May. She presided at the fair opening ceremonies Labor Day. (Buel Case Photo)

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FANTASY OFFERS 'ROAD TO ROME'

"Road to Rome," a three-act play by Robert Emmett Sherwood will be staged by Fantasy Playhouse Sept. 6, 7, and 8 at the Russel Erskine Hotel.

The play, which will be presented in three-quarter round, is the regular annual Fantasy production to raise funds for the regular season of plays for children.

"Road to Rome" takes place in 216 B. C. and revolves around one man's interpretation of why Hannibal marched his conquering troops across the Alps right up to the gates of Rome, then turned around and marched them home again.

Lead roles are played by Jo Linger and Monte Temple. Supporting roles are portrayed by Wolfram Glaser, Harry Ennis, Lori Appicella, and Vince Appicella.

Information about tickets can be obtained from Mrs. E. M. Barto, Jr., 881-4664 or Mrs. Harvie P. Jones, 539-6314.

Nondestructive Testing Men To Tour Laboratory

A tour of the Environmental Laboratory, including an orientation of the recently installed 25 million volt Betatron, headlines the agenda for the monthly meeting of the Northern Alabama Chapter of the Society for Non-destructive Testing next Monday evening.

The Society will convene at the Pin Palace for its regular monthly meeting at 6:00 p.m. at which time officers for the coming year will be elected and installed by the outgoing president, John Marsh.

At the conclusion of the business meeting the group will convene on the Arsenal. O. D. Hartley, William McMonigle and Earl J. Dougherty, members of the Society and employees of the Test and Evaluation Laboratory, will give a presentation of the capabilities of the Betatron.

The Betatron was built and installed by the Allis-Chalmers Co., of Milwaukee, Wis.



SHILLELAGH TALK—Brig. Gen. Charles W. Eifler, Deputy Commanding General, Land Combat Systems, chats with Col. Wayne G. Higgins, Sheridan/Shillelagh Project Manager of the Army Weapons Command, Rock Island, Ill., during the Colonel's recent visit to the Army Missile Command. Gen. Eifler and Col. Higgins discussed the management relationship between the two commands as related to the Shillelagh sub-system of the Sheridan/Shillelagh Project.

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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

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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)

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CONSERVATIVE JEWISH SERVICES—FRIDAY EVENING—2000 HRS.

Services are held at the Unitarian Fellowship Hall at Clinton &



CONTROLS FOR 8,000 KILOWATTS—Top staff members of the Army Missile Command's Directorate of Research and Development show the instrumentation of the 8,000-kilowatt plasma jet facility to Col. Alfred J. D'Arezzo (second from right), director of Installations and Services for the Army Materiel Command. Col. D'Arezzo visited Redstone Arsenal to inspect the buildings and facilities of the Missile Command. Shown from left to right are John L. McDaniel, technical director, and Col. D. F. Shepherd, director, of the Directorate of Research and Development; Norman Shapiro, deputy director of the Directorate's Physical Sciences Laboratory; Col. D'Arezzo; and Col. J. L. Fishback, chief of the Missile Command's Installations and Services Office.

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White Street, Huntsville. Servicemen cordially invited. For further information, contact Fred Glusman, 536-6621.

REFORM JEWISH SERVICES—FRIDAY EVENING—2000 HRS.

Services are held at Temple B'Nai Sholom, corner of Lincoln and Clinton Streets, SE, Huntsville. Servicemen cordially invited. Sunday School at 0930 hrs. For further information on services or Sunday School, call Ben Keyserling, 536-2381.

BIRTHS AT POST HOSPITAL

Donald Allan Rose, 7 lbs., ½ oz., Aug. 20, son of Pfc and Mrs. Lee A.

CHRISTIAN SCIENCE SERVICES — SUNDAY — 1100 HRS.

Wednesday services are held at 2000 hrs. at S. White and Wells Avenue, Huntsville. For further information or transportation, call Christian Science Armed Services Minister, Collect 776-2791.

Rose.
 Barbel Jane Mueller, 7 lbs., 3 oz., Aug. 23, daughter of Sfc and Mrs. Heinz W. Mueller.

Jeffrey Preston Holliday, 7 lbs., 10 ozs., Aug. 23, son of Sp/4 and Mrs. Edward P. Holliday.

Thomas Gilbert Potter, Jr., 4 lbs., 9 ozs., Aug. 1, son of Sgt. and Mrs. Thomas G. Potter, Sr.

Kelly Elizabeth Ingram, 7 lbs., ¾ ozs., Aug. 27, daughter of 1/Lt. and Mrs. Frank W. Ingram.



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INCENTIVE AWARDS

Suggestions

Harry T. Saylor, Army Missile Support Command, \$290 award—this suggestion concerned intra-arsenal moves of military personnel from one set of quarters to another. This suggestion saved an estimated \$6027 for the first year's usage. This \$290 award is being paid as a supplement to a \$25 award which was previously paid.

Larry A. Shifflett, Army Missile Support Command, \$20 award — this suggestion resulted in a form that will replace three forms presently being used to record building custodians and lock and key locations.

Clyde R. Morris, Army Missile Command, \$25 award — this suggestion resulted in a method of processing daily tactical items which more effectively utilizes the time of the operator. The estimated first year savings is \$445.

Robert D. Jones, Army Missile Support Command, \$90 award —

this suggestion resulted in two holes being drilled in each blower motor encasement located in the equipment racks in the Lacrosse Shop to cut down on the time required to oil this equipment by eliminating the necessity of dismantling the 66 blowers located in buildings 3775 and 3303. The estimated first year savings is \$3,680.

O. L. Yarbrough, Army Ordnance Guided Missile School, \$80 award — this suggestion resulted in a Cam-lever action feed being installed on "DO-ALL" saws. The estimated savings is \$1,536 per year as a result of decreased "set up" time and material savings.

Aaron Z. Brewer, Army Missile Support Command, \$30 award — this suggestion resulted in a manifold being used for testing pres-

sure gauges. By utilizing the suggested method, both hydraulic and pneumatic gauges can be checked, four or more at a time. The estimated first year savings is \$550.

John C. Barnard, Jr., Army Missile Support Command, \$150 award —this suggestion resulted in the fabrication and use of wiring harnesses for the recording of magnetic tapes which will allow personnel in the field to record the necessary pulses on the magnetic tape to be used in the OMTS of the Sergeant System. The estimated first year savings is \$3000.

The Treasury reports that close to seven million school children have the opportunity to purchase U. S. Savings Stamps or Savings Bonds through the School Bank Plan. About \$18 million in Savings Stamps are sold every year.

April 12, 1861 — Civil War broke out when Fort Sumter, Charleston, South Carolina, was fired upon.

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Two Procurement Analysts Complete Logistics Course

Two Army Missile Command procurement analysts completed the Defense Advanced Procurement Management Course at the U. S. Army Logistics Management Center, Ft. Lee, Va., on Aug. 23.

The two, William L. Adamson, of the Sergeant Project Office, and Norman E. Schaefer, who works in the Procurement and Production Directorate, attended the three-week course as a part of the Missile Command's continuing career development program.

This program, administered by the Training and Development Division of Civilian Personnel, provides civilian employees of the Command with the opportunity to attend graduate level training programs as a means to better their promotional potential.

The Logistics Management Center offers a wide curriculum of courses in the areas of procurement, general supply, maintenance, surplus property disposal, requirements and distribution management.



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Army Air Defense School Shows Nike Men At Work

FT. WINFIELD SCOTT, Calif.— (NNS) — “For purposes of this demonstration we will assume that the continental United States is under attack. The battery control officer will receive early warning information and will place the battery in blue status. Blue status means “prepare for firing.”

These words introduce visitors at the San Francisco Army Air Defense School here to the “Nike-Battery-in-the-Attack” show. It is designed to acquaint the public with the functions and capability of the Nike missile—prime weapon of the Army Air Defense Command, Army component of the continent-spanning, four-service North American Air Defense Command.

Founded in 1957, the Air Defense School provided Bay area Nike sites with qualified personnel. At its zenith, the school had four buildings, 49 instructors, 22 courses and 1,200 graduates.

Now that primary training of ARADCOM personnel is done at Ft. Bliss, Tex., the school trains units of the 40th Artillery Brigade for short-notice annual practice and offers advanced individual training for newly assigned personnel, in addition to its current public relations specialty, the

MILK, STEAK TOP LIST OF SOLDIERS' FAVORITE FOODS

Washington (AFPS) — New and more sophisticated weapons come into his hands, Army reorganizations affect his assignments and new tactical concepts give his organization a new look and mission, but a few things never change with the American soldier.

High among these are the soldiers likes and dislikes in foods.

A 1963 survey of his food preferences revealed little change in his tastes. Fresh milk still is the best liked food and close behind is another old favorite, grilled steak.

Other foods found to be in the top ten included apple pie, assorted fresh fruits, veal steak, eggs to order, fresh sliced tomatoes, southern friend chicken, roast beef, and hot roast beef sandwiches with gravy, but not necessarily in that order. Not in the top ten, but high among the 265 foods surveyed are breaded veal cutlets and orange juice.

The Armed Forces Food and Container Institute, Chicago, conducted the survey questioning 20,000 enlisted personnel using a nine-point rating scale by which the soldier rated foods from “like extremely” to “dislike extremely.” Cooperating with the Institute was the Army's Office of Personnel Operations.

Results of the survey provide guidelines to Army and Air Force menu planners as well as food scientists and technologists developing new foods for the military.

components.

The functions of launcher and integrated fire control area equipment are outlined, as well as Nike assembly, testing, storage and maintenance procedures.

Colored slides and schematic drawings illustrate the early warning lines, picket ships, radar-carrying aircraft and hundreds of radars which guard the continent, and demonstrate how brigade radars would acquire, identify and track incoming aircraft.

After this background of theory has been provided, a siren whines and the narrator makes his open-

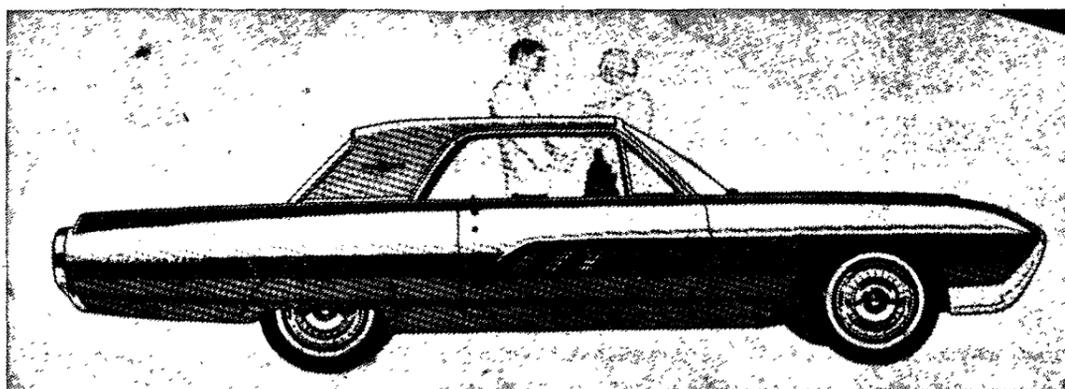
ing statement. Men of the battery race to their positions. Knobs and dials are twisted; small, colored lights, clearly visible under the eerie glow of black light which provides the room's only illumination, are turned on; bells clang. The show has begun.

A red alert is signalled and a target, provided by a target simulator van outside the building, is fixed on the radar scope and tracked. At the moment a missile would be launched to intercept the target a small charge, representing the missile's blastoff, is detonated backstage.

The school has a complete set of radar and electronic equipment, plus a Nike Ajax missile on an erectable launcher. Thus information is combined with entertainment and excitement, due to the high degree of realism the show provides.

Thousands of people, in diverse groups both large and small, have seen the show here and on the road. Grade-school children and generals have learned and continue to learn the importance of missile defense and its contribution to the safety of North America through the wonders of “The Nike-Battery-in-the-Attack.”

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Ingenuity Gives Scientists Clue To Puzzles

Plain tap water, a dash of green food coloring and a stroke of scientific ingenuity are providing experts at the Army Missile Command with the answers to some puzzling questions.

Any bartender worth his towel probably would scorn such a bizarre concoction, but the mixture contains ingredients for some remarkable results at the home of the Army's missiles.

The watery color scheme was conceived when aeronautical research engineers Joe Byrd and Jim Williams wrote specifications for a special water table designed to test some theories related to missile control.

They believed a great deal could be learned about the flow of air by studying the behavior of water, which reacts similarly to air flow controls and pressure.

The end toward which Byrd and Williams are working sounds simple enough. They hope to devise a missile control system without any moving parts, thereby improving reliability.

But it's a complicated piece of research and one which demands a good deal of their time in the Missile Command's Inertial Guidance and Control Laboratory.

Since it is financially unfeasible to fly a missile each time an engineer wants to test a control technique, the water table designed by Byrd and Williams is proving to be one of the most economical means yet devised to evaluate theory.

"In operation, the water table is comparatively simple," Byrd and Williams say. "By coloring the water with various bright

(See Picture on Page 15)

tones of food coloring we can get a visual fix on how air would react in a similar situation."

The Missile Command's water table looks like any other rectangular table, except that it has stubby walls around the edges to retain the water, and it has tanks at either end, which act as reservoirs.

A couple of feet from where the water is pumped onto the table, the young engineers carefully place brass models or strips of heavy plastic to hold the water with a sort of dam.

For a "spillway," they leave a small opening in the dam and

President Kennedy has said, "We shall pay any price, to assure the survival of liberty." Buying U. S. Savings Bonds is a small part of the price for Keeping Freedom in Your Future.

place fluid control wedges in its mouth, thereby directing the flow of water.

By moving the models, engineers Byrd and Williams can create any number of complicated situations which fluid flow is likely to encounter.

By analogy and mathematical process, they can determine how air would have reacted in the same situation.

The models, shaped something

like a wedge of cheesecake, cause certain flow patterns on the water table. The results conceivably could be incorporated into missile control components and systems which use hot gases or compressed air to actuate the control system.

From all appearances, Williams and Byrd have the field of pure fluid flow research pretty well to themselves. They believe there

are probably less than 20 places in the United States where theories about pure fluid control systems are being evaluated.

They also believe their water table is probably one of the largest of its type in the U. S.

The water table itself has a test bed 17 feet long, which gives the young engineers ample room to set up several flow models in

series.

"About 1,100 gallons of water are required to operate the table," Byrd says. "The flow rate is variable from 0 to 49.6 gallons per minute."

Both of the research engineers working with the water table are graduates of North Carolina State College with degrees in mechanical engineering.

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1958 RAMBLER CLASSIC WAGON \$975!	1959 CHEVROLET IMPALA 4-Dr. Air, Power, Radio, Heater \$1375!	1957 PLYMOUTH Four-Door \$375!	'55 Studebaker 4-Door
1960 FORD STATION WAGON \$1175!	1961 PLYMOUTH CONVERTIBLE, Stanadrd shift, Radio, heater \$1575!	1958 OLDSMOBILE Four-Door \$975!	'56 Studebaker Wagon
1959 CHEVROLET WAGON \$1275!	1959 RAMBLER V-8, Radio, Heater, Automatic \$675!	1958 CHEVROLET Four-Door \$775!	'53 Pontiac Four-Door
1958 RAMBLER AMBASSADOR WAGON \$975!	1958 RAMBLER Four-Door \$875!	1959 DODGE Two-Door \$875!	'54 Pontiac Four-Door
1958 FORD WAGON \$875!		1960 FALCON Four-Door, Unusually nice, \$575!	'51 Plymouth Four-Door
			'51 Ford Tudor
			'53 Oldsmobile Four-Door
			'56 Plymouth Two-Door
			'56 Buick Two-Door

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WANT AD RATES—\$2.50 minimum, per weekly insertion, covering first 25 words. 5 cents per word for all over 25 words. Cash with copy, except where open account basis is previously established. 25c service charge added for credit. Mail copy with payment to Mrs. Zillah T. Heath, P. O. Box 346, Room 217 Times Bldg., Huntsville. Deadline is Friday noon, before Wednesday publication.

Page 14 The Redstone Rocket — September 4, 1963

1. For Rent

FURNISHED BRICK APTS. — 1 or 2 bedrooms, ideally located for employees using Patton Road entrance to Redstone Arsenal. Call 536-0775. tfc

ROOMS FOR RENT—Single and double for men with good habits, completely and newly decorated, economically priced. Central Y.M.C.A. Dial 534-6452. tfc

FOR RENT — 3 room furnished apartment, private front and back entrance, air conditioned, natural gas heat, bath tub and shower, off-street parking, married couple only, \$75.00 per mo., 419 East Clinton St., phone 534-4551 or 534-5127. tfc

2. Cars For Sale

MUST SELL — 1960 Falcon 4-dr. Deluxe. Best offer over \$900.00 Universal Motors, Inc. Phone 539-7456. tfc

VOLKSWAGEN OWNERS — Genuine parts available. All work done is aircraft quality by aircraft technicians. Satisfaction guaranteed. Dick Trulson Auto and Aircraft Repair, 612 W. College St., Fayetteville, Tennessee, phones 433-1294 or 433-1337. Call anytime. tfc

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. tfc

CAMPING & FISHING EQUIPMENT

- Hip Boots
- Sleeping Bags
- Rods & Reels

ARMY-NAVY SURPLUS CO.

112 S. SIDE SQUARE
Phone 534-6991
Open All Day Wednesday and 'Til Late Thursday Night

WHEEL ALIGNMENT \$4.88

(With This Ad)
Reg. \$6.50 (Value)
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.

LOST YOUR DRIVING LICENSE?

WE ARE IN A POSITION TO HELP YOU GET THEM BACK!
WE FILE SR. 22
For Driving Intoxicated, Reckless Driving, Driving Without Insurance or Any Other Cause. We Can Help You Obtain Your Bond to Keep Your Tags.
IF YOU HAVE A PROBLEM, COME SEE US AT . . .
518 MADISON STREET, HUNTSVILLE
C. J. Waite Insurance Agency

COMMERCIAL BUILDINGS

AND . . .

LOTS FOR SALE! FOR DWELLINGS

We build houses on your lot . . . 100% financed by us or VA and FHA financing. Built by Bonded Builders.

COLORED—If you have a good job and steady income you can own a home with payments as low as \$49.00 per mo. F.H.A., V.A., and F.H.A. for \$62.00 to \$86.00 per mo. 100% financing—built on your lot! Lots and homes in New Jerusalem and other parts of town.

C. F. STINNETT REAL ESTATE BROKER
918 Meridian St., North Phone 536-8537

FOR SALE OR TRADE—1958 Karmann-Ghia (VW). Phone 876-0261. tfc

1959 DODGE — Blue and white, X-tra nice Coronet, new tires, \$1095.00. Universal Motors Inc. 539-7456. tfc

1953 FORD — In good condition. Straight shift, radio, heater, and overdrive. Call A. L. Bradley, 536-3043 or 876-1932. ttp

1959 FORD — Custom, 300, Red, 2-door. Drives like new and looks it too. \$995.00. Universal Motors, Inc., 539-7456. tfc

FOR SALE—1956 Chevrolet Station Wagon, four door, 3 seat, V8, auto. transmission (overhauled). Excellent condition. One owner. \$625.00. Call 881-2355. ttp

WANTED TO BUY clean used cars. "We can use yours." Call us. **ROBINSON AUTO SALES, 733 Madison St., Phone 539-8551.** tffc

1959 AIR CONDITIONED FORD — Wagon. Sharp, \$1095.00. Universal Motors, Inc. Phone 539-7456. tfc

3. Miscellaneous

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. tfc

UNIFORMS—7-3/8" field grade cap, also 1 suit, tropical and 1 green for 6'-11"-185 pounder. The lot, \$60.00. Call for 3245 at the Thrift Shop by Sept. 6th or call Reservist, 881-2105. tfc

UHH CONVERTER, \$11.97. 21 inch 90 degrees picture tubes \$21 exchange (1 year guarantee on picture tubes). Used TV's, \$20 and up. TV Rentals, Central TV and Stereo Co., franchised dealer in RCA and Zenith TV's and stereos. Central TV and Stereo Co., Governors Drive & Parkway, Phone 536-9761. tfc

HORSES FOR SALE—Wheel horses, of course. These are thoroughbred horses, the finest in lawn care. Riding mower or garden tractor. Come by for a ride. Wheel horse sales and service Walter's Appliance Repair, 630 Meridian St., phone 539-1141. "Why have the rest—when you can have the best?" tfc

FOR SALE—Heavy-built, modern light-finish end tables and cocktail table 52 by 26 by 13 1/2. Must sell to make room. 881-2477. ttp

GLEN PARK APARTMENTS

Completely furnished including air conditioning and TV outlet, lovely 2 bedroom, living room, kitchen and ceramic tile bath. Convenient to schools, churches and shopping.

534-2652

SHRIMP—5 lb. home freezer pkgs. At Specks Seafood Specialties, Madison, Ala. Phone 539-7653. ttc

BARGAIN SHOE CENTER—New shipment fall shoes. Heels, flats, men's dress & work shoes, insulated boots. Low Prices. Located 4 miles west of Arab on Highway 69 at Standard Service Station, Joppa. Open Sundays. ttc

A B S 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). ttc

TEACHER WILL SHARE Modern Brick 6-room home with business women. Quiet neighborhood, TV, on TV cable, convenient to shopping center. 200 Westchester Ave., Phone 881-3822. ttc

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

WANT TO PLAY BRIDGE?—Join a learners club and learn the enjoyable way. Sessions supervised by a qualified and experienced instructor. Register now for courses starting week of Sept. 9th. Registration limited. Mayce B. Ross, phone 881-3615. 9-4c

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. ttc

FOR SALE—Clean 10x50 Mobile Home on corner lot, paneled throughout, redecorated, carpet in LR, automatic washer, patio cover, air conditioned, Lot 229, Paradise Park. ttp

WE HAVE 2 — 35'x8' 1 bedroom mobile homes. These are both real nice and clean. Only \$1995.00, terms to suit your budget. Texas Auto and Mobile Home Sales, 1003 Meridian St., Phone 536-6121. ttc

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

AUTO

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

\$10.00 year C. J. WAITE

INSURANCE AGENCY
518 Madison St.
PHONE 538-9641

BUTLER'S NEW and USED FURNITURE

American — Antiques — Import

1006 W. Market St. — Athens, Alabama

One of North Alabama's Largest Furniture Stores

ACROSS FROM FAIRGROUND GATES

Dial Athens 232-3940

NOTICE

FEDERAL ENTRANCE COACHING CLASS

STARTING SEPTEMBER 16

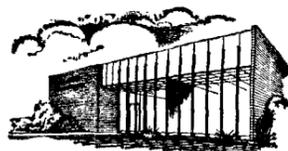
MONDAY & WEDNESDAY NIGHTS

APPLY NOW

Instructor—University of Alabama Graduate with Experience

NORTH ALABAMA COLLEGE OF COMMERCE
NACC BUILDING

528 Madison Street, South
Phones 536-2611 or 539-0429



FOR SALE BY OWNER — Lovely Tri-level home, 3 bedrooms, two ceramic baths. Wall to wall carpet upstairs. Will redecorate to taste of buyer. Buy FHA equity \$1800.00 and assume payments. Priced \$18,750. Phone 539-8551 or 852-2063. tffc

5. Houses, Lots - Sale

GUNTERSVILLE LAKE LOTS FOR SALE—Contact W&W Land Co., 106 North Lincoln St., Huntsville. Phone 534-1451. ttc

3 BEDROOM BRICK in Crestwood Addition; close to Arsenal, schools, shopping center. Garage, carport, landscaped. Dining room, large kitchen. Equity or refinance. Russell, 876-7595, 536-7120. ttc

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. ttc**

FOR SALE — New brick home, 2 blocks from Arab, large den—kitchen, living room, 3 bedrooms, 2 ceramic tile baths, utility, carport, storage room, priced to sell. Contact Lewis Clark, 513-2nd Ave., N.E., Arab, Ala. Phone Arab 586-4441. ttp

DECATUR HIGHLAND PARK—This furnished show home will be sold for the low price of \$19,275.00, which includes all the following features and extras: kitchen-dining area with built-in GE oven, surface unit, exhaust fan, disposal and refrigerator, 4 bedrooms, large paneled den, 2 1/2 ceramic tile baths, large living room, laundry area with washer and dryer, garage, patio with privacy fence. The many rooms of decorative furniture will be given to the purchaser at no additional cost. Open afternoons, located at 1213-8th St., S. W., phone Decatur, 353-3474. 9-11c

FOR SALE—7-room brick home in Hartselle, four years old. On 90x270-ft. lot one block from Crestline School. **CLYDE RICE, Williams St., Hartselle, phone 773-7137.** 9-4c

WILEY SALES CO.

4310 W. Gov. Dr.
PHO. 539-2262

- Guns
 - Reloading
- Target Varmint

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

NEW HOME Completely furnished, 3 bedroom and den, built-in G.E. range, garbage disposal, G.E. refrigerator, washer and dryer, 3 complete bedroom suites with mattress and springs, living room suite, breakfast room suite with 6 chairs (all new furniture). G.I., Nothing down, \$150.00 closing. FHA minimum down \$150.00, closing. Phone 881-0152, Ensor Real Estate Co. ttc

GUNTERSVILLE LAKE 100' Water front lots \$1250.00. inside lots \$500.00. only \$100.00 down \$20.00 mo. Ty Dorman Guntersville 582-3654 or Huntsville 876-3297 ttc

FOR SALE—Brick house, three bedrooms or two bedrooms and paneled den, 1 1/2 baths, attached garage, large back yard. Buy equity, monthly payments \$96.95. 536-6190 or apply at 2104 East Arbor Dr. ttp

2 LOTS FOR SALE — On Whitaker Lake—Improvements are 6 year old pines and piped in spring water, 100'x175', perfect for building or camping. Dial 881-2052 after 5 p.m. or all day Saturday and Sunday. 9-4c

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, R. E. Broker, phone 734-6294, Cullman, Alabama. ttc

6. Pets

FOR SALE — Poodle Puppies, A.K.C., shots and grooming. Phone 881-2065. 9-25c

SELLING OUT

ALL CARS IN STOCK
OVER 30 DAYS!!

HURRY! HURRY! HURRY!

Save More Than You Think!

1962 CHEVROLET Impala Coupe Power steering, V8, automatic. Extra clean. Price reduced to \$2360.

1961 FORD Fordor Galaxie. V8. A beauty! Reduced to \$1610.

1962 DODGE LANCER 4-Door. Standard shift Extra clean. Local car. Reduced to \$1385.

1961 CHEVROLET Impala 4-Door. Just like a new one. Reduced to \$1885.

1960 CORVAIR Four-Door "700." Unusually nice. Reduced to \$1165.

1960 FORD Fordor Station Wagon. It's a honey. Reduced to \$1440.

1960 FORD Convertible. White. New tires. It's ready! Reduced \$1280.

1960 CHEVROLET Bel Air Four-Door. V8. Automatic. Low mileage. Perfect. Reduced to \$1420.

1960 OLDSMOBILE Holiday Coupe. It's EXTRA CLEAN AND HIGH PRICED!! But it's WORTH IT! Reduced to \$1670.

1959 OLDSMOBILE Four-Door. Real fine car. Reduced to \$1250.

1959 PONTIAC Bonneville 4-Door. Factory air and power. Low mileage and extra clean. Reduced to \$1575.

1958 CADILLAC Eldorado Coupe. Factory air. It's nice. Reduced to \$1250.

(5) 1958 CHEVROLETS to choose from . . . All are reduced in price.

50 More Nice Cars:
Imports Too!
See Them At

TEXAS

AUTO & MOBILE HOME SALES

1003 Meridian St.
DIAL 534-6131



WATER TEACHES AIR FLOW CONTROLS—By following the flow of water from various sections of the water table, each colored through use of common food colors, Army Missile Command aeronautical research engineers Joe Byrd and Jim Williams can

tell how air would react in various situations. They do their work in the Inertial Guidance and Control Laboratory of the Directorate of Research and Development (Story on Page 13).

Army Seeks Officer Candidate In Ranks

For the ambitious Enlisted Soldier or Warrant Officer chances are high at present to reach officer rank. In a program to upgrade within the ranks, encouragement is being given to in-

dividuals to apply for Officer Candidate School.

Col. Thomas W. Cooke, Commander, Army Missile Support Command, has notified all Troop units and division chiefs to seek out potential officers and to encourage those individuals to apply for Officer Candidate School.

Unit Commanders or the Mil-

tary Personnel Officer can provide assistance in preparation of applications.

The prospective applicant need only to qualify with a yes answer to the following areas:

1. Are you a Warrant Officer or enlisted or inducted person in the active Army?

2. Are you between 18½ and

28 years of age?

3. Are you a citizen of the United States or if not, have you made a declaration of intent to become a citizen?

4. Are you a high school graduate or if not, have you passed high school General Educational Development Test (GED)?

5. Do you have an aptitude area GT score of 110 or better? (Check with your Personnel Officer if you are not sure and while there, arrange for a retest, if necessary).

6. Can you pass a Physical Fitness Test?

See your Unit Commander or Personnel Officer for assistance in preparation of your application for Officer Candidate School today.

AUCTION

Gordan Baird's Farm

Martling, Alabama
On Martling-Albertville Rd.
3 Bedroom Home
On 35 Acre Farm
105 Acre Cattle Farm—Fenced
FREE CASH PRIZES
SATURDAY, SEPT. 7th 10:00 A.M.
Rain or Shine

Real nice 3 bedroom stone home, one of the prettiest knotty pine paneled kitchen and den combinations anywhere, lots of beautiful knotty pine cabinets, built in stove, large double bowl sink with double drain boards, tile floor, utility room off kitchen with washer-dryer connections, paneled bedrooms, hardwood floors, large living room, complete bath with shower over tub, 30 gal. electric water heater, carport, 8 x 12 front porch.

Chicken house, 7000 capacity, Barn, 4.5 acre cotton allotment, 2 wells, partly fenced, apple, pecan and peach trees on 35 acres of good land, on paved Martling-Albertville Road.

105 Acre Cattle farm just off Martling Road, barn, 2 wells, fenced and partly cross fenced, creek is property line, 5.4 acre cotton allotment, good sandy loam soil, see to appreciate.

EASY TERMS
Possession Jan. 1st.

SATURDAY
September 14th
10:00 A.M.
Thompson Hotel,
Arab, Ala.

14 room Hotel, fine dining room, kitchen, etc.—all completely furnished including linen, silverware, cookware, etc.—Ready to move in and start business. Also, 2 houses, well rented, bringing in additional income. Approximately 2 acres for gardening or trucking or for future building and development.

Mr. Morton's doctors requests retirement. The only reason for selling this most profitable business. Be sure to investigate this now—attend this sale and buy.

2 O'Clock
September 14th
14 Valuable LOTS

14 valuable lots on paved county Highway 66, at Union Grove. A very good residential neighborhood with good school and churches. These 14 lots are ideal building sites in the path of residential growth and development, only 8 miles to Guntersville Lake; 8 miles to Arab; 22 miles to Huntsville, on Guntersville short cut near Morgan City.

The Doc Martin Property on
EASY TERMS
YOUR PRICE IS OUR PRICE—
COME BRING YOUR FRIENDS
—BOOST AND BUY!

J. P. KING
AUCTION CO.
Gadsden, Ala. — Ph. 547-5321
3rd Generation of Auctioneers
Let Our Experience Sell Your Property.

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REAL ESTATE

Builders and Developers
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4601 TRIANA BLVD.

Phone 881-4290

HAVE YOU OUT GROWN YOUR HOME?

TRADE-IN . . . Your Present Home and Move Up to . . .

LAKWOOD

YOU'RE INVITED To Our Trade-in Program

809's If You Have Out-grown Your Present Home

You can now get a second 809 loan by selling or trading us your present home on one of our beautiful 3 and 4 bedroom with den brick homes.

Phone: 852-3331

LAKWOOD

REALTY, INC.

3611 Memorial Parkway, North

SOME HOMES

IMMEDIATE POSSESSION

—IN—

KATHERINE ACRES

Price \$15,400 and up on 100% VA loan or minimum down FHA.

OPEN EACH DAY

Hunter & Mitchell

Realtors Phone 539-1759

IT COST LESS

to

Furnish Your Home

at

Sterchi's

North Alabama's Largest Furniture Store



DOWNTOWN
HUNTSVILLE
Phone 534-5681

Also Sterchi Stores to Serve You at Scottsboro and Fayetteville.

The 'Complete Picture' Has Many Dimensions

Ping Bodie, a famous baseball umpire, was getting a heavy shower of abuse from fans in the grandstand during a ball game played many years ago in California.

Suddenly, in the middle of the game, Ping called proceedings to halt, walked over to the grandstand and climbed slowly to the top row, he bellowed, "Play Ball!"

The bewildered managers rushed up to Ping and asked him what on earth he thought he was doing.

"If these people can see better from up here than I can down there," he roared, "then here's where I'll call 'em from. Play Ball!"

An individual often reacts to decisions in the same manner as the unruly California baseball fan. It's one of the easiest things in the world to sit on the sidelines and criticize the work of another.

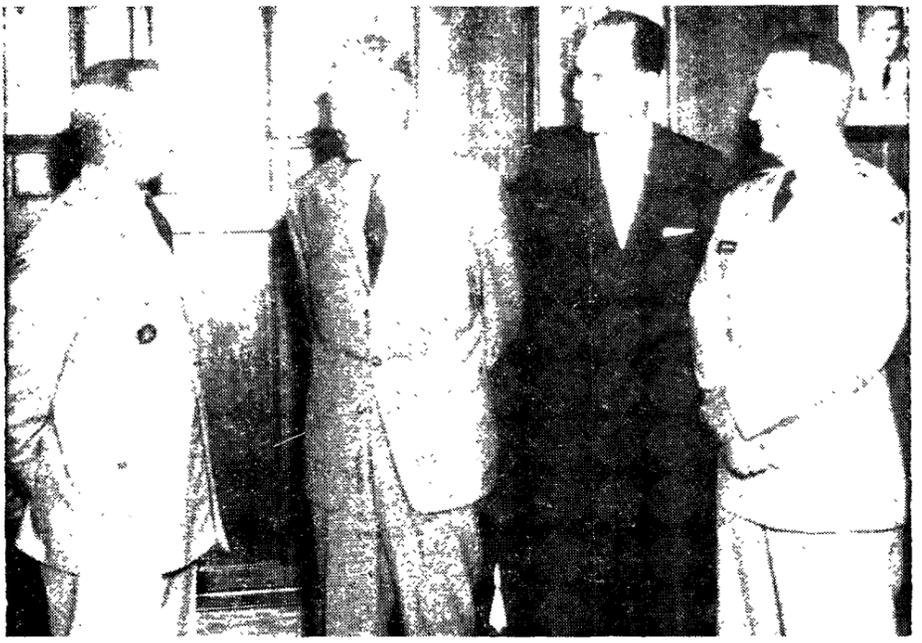
The "complete picture" is often unrecognized by the individual, be he military or civilian, man or woman. Often we sit on the side-

lines and are most critical of the small visible portion of the overall situation.

Since the small picture is often all we see, wouldn't we be better off to get down on the ground—or climb out of our own grandstand—and examine the complete picture, big and small? Then, rather than contributing vocal disagreement, roll up our sleeves, tighten our belt buckles, bend our backs, use our heads and work for the "big team"—the United States of America.

Judgment is valid in any situation only when based on full information. So, first we should secure the information and then we should act, not complain.

The old umpire, Ping Bodie, certainly demonstrated to the name-calling fans that he was willing to view his work from all angles before making any more decisions. (AFPS).



NATO OFFICIAL VISITS HERE—Brig. Gen. H. P. Persons, Jr., left, Commanding General, confers with Lt. Gen. William J. Reynierse (ret.) second from left, of the Royal Netherlands Air Force. Looking on are Col Frederic H. Bott in the office of the Assistant Secretary of the Army, and at right is Col. Charles R. Graham, Hawk Project Manager for the Army Missile Command. Gen. Reynierse is general manager for the NATO Hawk management office in Europe. He visited the Missile Command to see United States' missile management procedure.

FCC Approves Civil Defense Radio System

Washington (AFPS) — A new plan for broadcasting in a national civil defense emergency is now in effect replacing the CONELRAD system.

Approved by the Federal Communications Commission (FCC), the Emergency Broadcasting System (EBS) will be used to disseminate information and instructions to the public in a national emergency.

The public should now disregard the specially marked points—640 and 1240—on the AM radio dial formerly reserved for civil defense broadcasts in emergency and tune in local stations at their regular position on the dial.

More than 1,300 broadcasting stations are participating in the EBS. The plan will permit additional AM stations to broadcast in an emergency increasing the coverage obtained nationwide. FM and TV stations will be added to EBS as soon as technical arrangements permit.

Movie Schedule

WEDNESDAY, September 4
 "Stagecoach to Dancer's Rock" (M-YP)
THURSDAY-FRIDAY, Sept. 5-6
 "Operation Bikini" (M)
SATURDAY, Sept. 7
 "The Three Stooges Go Around the World in a Daze" (F)
SUNDAY-MONDAY, Sept. 8-9
 "Wives and Lovers" (M)
TUESDAY, Sept. 10
 "Of Love and Desire" (M)
 Two shows nightly at 6 and 8:30 p.m., Saturday matinee at 1 p.m., and Sunday matinee at 2 p.m.

RECORD FOR SMITHS

Of the 29 million names in the VA's master index file, Smith is the most common, appearing 225,000 times. It is followed by Johnson, 149,000; Brown, 121,000; Williams and Jones, 109,000 each; and Miller, 97,000.





Fall Fashion Premiere



In Every Department now . . .
 Fall Merchandise is arriving,
 brands you know at prices
 that are fair, all QUALITY!
 Bring the entire family in soon!

SOON — TWO FINE STORES!

