

# The Redstone Rocket

Published by Jack W. Hoffhaus, Hartselle, Ala., a private individual in no way connected with the Department of the Army. Opinions expressed by the publishers and writers herein are their own and are not to be considered an official expression by the Department of the Army. The appearance of advertisements in this publication does not constitute an endorsement by the Department of the Army of the products or services advertised.

VOL XI; NO. 17

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

SEPTEMBER 5, 1962

## Fort Benning Is Champs Of Third Army Tournament

### Redstone Scores 2nd In First Tournament At Redstone Arsenal

The Third Army Baseball Tournament is history. Ft. Benning took the tournament with only one loss, at the hands of Ft. Jackson in the first game.

Runnerup in the tourney was Redstone Arsenal. They lost two

#### BENNING DEFEATS REDSTONE

Thursday night Fort Benning kept alive in the Third Army Tournament by coming from behind to defeat Redstone 13 to 5. Had Redstone won the game, the tournament would have ended.

Benning used three pitchers, Marvin Leicht, Roy Bowers and Charles Spell, who was credited with his third win. His wins included a no-hit victory over Fort Campbell Tuesday night.

Redstone used two hurlers, Vincent Gebhard, who was charged with the defeat and reliefer Joseph McNutt.

Redstone was ahead 5 to 4 going into the top of the eighth when disaster struck with Benning scoring eight runs. Benning added another run in the ninth.

Berrios hit a three bagger and a single for Benning. Spell helped his cause with a two bagger and a single. Gentry and Green had two singles each.

Keene was the individual star for the Redstone team when his tremendous drive in the second inning cleared the left field fence. Lyles, Redstone's second baseman had two singles.

Benning 100 000 381 13 13 2  
R'stone 011 003 000 5 8 1  
Leicht, Bowers, Spell and Padgett, Hill; Gebhard, McNutt, and Davis.

consecutive games to the Benning nine by scores of 13 to 5 and 11 to 6.

Benning was sparked throughout the tourney with the spell-binding pitching of Charlie Spells, winning pitcher in all four of Benning's victories. He pitched 22 (See TOURNAMENT on Page 6)

## Project Manager Concept To Be Told By Gen. Besson At Conference Today

### Address Scheduled For Technological Management Group

Lt. Gen. Frank S. Besson, Jr., Commanding General of the Army Materiel Command, will deliver the following address at the National Advanced Technology Conference in Seattle today. The talk outlines the project management concept within the Army Materiel Command.

Nineteen Sixty-One and 1962 have been years of change for the Army. Not only has the Army's mission taken on substantially increased importance, but we have under way a major reorganization of the Army's structure so that we can meet those mission responsibilities more effectively. As a part of this reorganization there has been created an Army Materiel Command, which I have the honor of heading.

These have also been years of greatly increased interest in various new or newly-rediscovered management patterns and techniques. One magazine recently



LT. GEN. FRANK S. BESSON, JR.

listed no less than 47 new systems of management planning and control, starting with the AGREE system (standing for Advisory Group on the Reliability of Electronic Equipment) to WSPACS (Weapon System Planning and Control System). Many readers may not be familiar with DYNAMO (Dynamic Action Management

Operation) or RITE (Rapid Information Technique for Evaluation), but most people have heard of PERT and PERT/COST.

In addition to these numerous management techniques for planning and control which have appeared over the last two years, increasing attention has been paid by the services and by defense contractors (and for that matter by non-defense industry) to organizational patterns and to the networks of authority and responsibility that interlace large multi-project organizations. Thus in the spring of 1961 the Air Force underwent a major reorganization. The build-up of NASA was accomplished by a critical examination of its organizational structure; various changes and adjustments are being made in the Navy's Bureau of Weapons. The Army has embarked upon the reorganization just mentioned.

Much of the management ferment which has taken place in the last year or two in the services, and in the interfacing weapons industry, has resulted from a growing recognition of the fact that as our weapons have become more and more complex and costly, the management of their development and production calls for some fundamentally new approaches, so that cost, over-runs, quality and reliability failures and schedule slippages (characteristic of too many past weapons) would be sharply reduced. In considerable measure the impetus for this increased attention to the management problems of the services (See BESSON on Page 3)

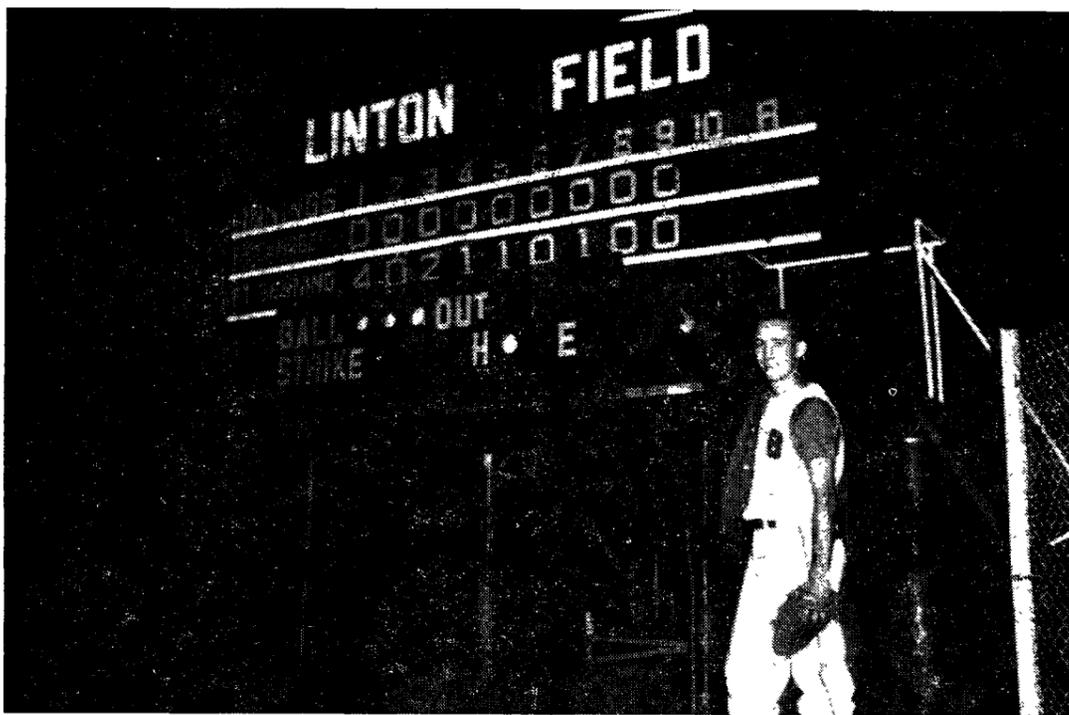
## Personnel Urged To Participate In Graduate Study

Maj. Gen. Francis J. McMorrow, Commanding General of the U. S. Army Missile Command has urged members of his Command to participate fully in a graduate study program jointly sponsored by the Army and the Marshall Space Flight Center at Redstone Arsenal.

He announced the appointment of James Norman, research projects manager in the Office of the Deputy Commanding General, Guided Missiles, as chairman of the Joint Graduate Studies Steering Committee.

Norman succeeds Dr. William Lucas, Chief of the Engineering Materials Branch, Structures and Mechanics Division of the Marshall Space Flight Center. The chairmanship alternates between the Army and MSFC.

(See GRADUATE on Page 2)



BASEBALL'S HALL OF FAME—Charles Spell, of Crowley, La., and star pitcher of the Fort Benning team points to the scoreboard right after pitching a no-hit, no-run game against Fort Campbell. Spell faced only 28 men in Benning's 9 to 0 win over Campbell.

## Missile Command Personnel To Go To Training Meet

Personnel of the Army Missile Command will take an active part in the second annual meeting of the U. S. Civil Service Commission Regional Training Council held on Sept. 10 and 11 at Gatlinburg, Tenn.

More than 100 federal training and development officers from throughout the Southeast and Puerto Rico are expected to attend the conference.

John S. Hinkle, chief, civilian personnel training and development division, is serving as the first chairman of the council. It was organized in Atlanta last year.

Speakers at the conference will include Walter Weisman of the Missile Support Command, who will discuss "An Earthly Look at the Space Age."

Joseph Fisher, deputy chief, civilian personnel training and development division will participate as a panelist for a workshop session to discuss training activities in non-government facilities.

The panel, organized by the Huntsville Federal Training Council, will also include James Dowdy, chief of training, Marshall Space Flight Center, and Mark Russell, MSFC cooperative education coordinator.

The second day of the conference will feature a "Show and Tell" session under the jurisdiction of the Birmingham Federal Training Council. This session will include displays and demonstrations of training aids, materials and equipment.

The Army Missile Command, MSFC and the Ordnance Guided Missile School of Redstone Arsenal will have displays on view.



AN UNQUALIFIED SUCCESS—Sponsors and Youth Fellowship Award holders climaxed the summer's activities the past Thursday with a luncheon at Squirrel Hill Officers Club. This gave students and sponsors an opportunity to compare notes on the program which has been considered an "unqualified success." Shown in this group, are, left to right: Joe Wiggins, Thiokol Chemical Co.; General Richard M. Hurst, Deputy Commander, Army Missile Command; Milton Cummings, Brown Engineering Co.; Colonel Earl J. Dotson, chief of Signal Office, Army Missile Command; Bobby Hardin of Decatur who worked at RCA Service Co.; Martha Hulet Hamer who worked with Thiokol Chemical Co.; Wallace Bischof of RCA Service Co.; Maj. General F. J. McMorrow, Commanding General, Army Missile Command; Harry Gorman, MSFC; John Hatch, SPACO, Inc.

## 17 Fellowship Awards Students Tour Command

Seventeen Huntsville area 1962 high school graduates toured Redstone Arsenal and associated private industries Thursday, climaxing the first AFCEA Fellowship Awards summer programs program to be granted here.

The students, accompanied by Col. Earl J. Dotson, chief of the Signal Office, Army Missile Command, visited each of the laboratories in which they had served. Each student explained his summer duties to the others.

The Fellowship Award program was started this year by the Redstone-Tennessee Chapter, Armed Forces Communications and Electronics Association (AFCEA), of which Col. Dotson is president.

A luncheon was held for the students at Squirrel Hill Officers Club with Maj. Gen. F. J. McMorrow, Commanding General, Army Missile Command, and S. W. Reese of Birmingham, chief engineer of Southern Bell Telephone Co. and (See STUDENTS on Page 2)

# The Redstone Rocket

The publisher will receive editorial content for publication in the Rocket only through the Information Office, Army Ordnance Missile Command, Redstone Arsenal, Alabama, Bldg. 5250, Room A-136, Extension 876-4161. All advertising copy and payments therefor are received by Mrs. Zillah T. Heath, Huntsville, Alabama, P. O. Box 346, telephone 534-4701, as representative of the publisher.

The Redstone Rocket is distributed free of cost to personnel at Redstone Arsenal. Mailing rates for the Rocket are \$5.15 a year, or \$2.83 for six months, Alabama sales tax included. Mailing arrangements may be made with the publisher.

## Rocket Ruminations

You cannot escape from the responsibility of Tomorrow by evading it Today.

—Lincoln

## A Letter of Praise

Headquarters  
U. S. ARMY MISSILE COMMAND  
Redstone Arsenal, Ala.

27 August 1962

The Editor  
The Redstone Rocket  
Redstone Arsenal, Alabama

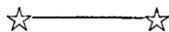
Dear Sir:

I appreciate very much your article in The Redstone Rocket of 22 August announcing my retirement. I am particularly appreciative of your kind editorial comments regarding my service at Redstone Arsenal and the best wishes extended on behalf of friends and co-workers.

I find that terminating a military career is in many ways a rather unhappy business. There is of course a pleasant anticipation associated with the prospect for greater selectivity in field of endeavor. However, there is also a gnawing feeling of distress associated with the reality of terminating an official association with a most active and important defense program. Additionally, there is a feeling of deep regret that pleasant personal associations with hundreds of people, military and civilian, within Redstone Arsenal and the Huntsville community must be broken. There is some small consolation in the thought that sooner or later it must happen anyway for such is the nature of military service.

My best wishes remain with the personnel of Redstone Arsenal in the big programs which lie before them. Best of luck to The Redstone Rocket in its fine coverage of arsenal activities.

Sincerely yours,  
R. M. HURST  
Brigadier General, USA  
Deputy Commanding General,  
Ballistic Missiles



## Two Outstanding Programs

Two important personnel programs came to an end the past week, both winning high praise from Army Missile Command management.

Ninety-four summer employes—college students and college faculty members—completed their jobs with the Research and Development Directorate. This is a long-standing program at Redstone Arsenal.

Seventeen 1962 high school graduates finished their work as holders of the first Fellowship Awards offered by the Redstone-Tennessee Chapter of Armed Forces Communications and Electronics Association.

Students from both groups were high in praise of the opportunities offered them through the program. At the same time, employers and supervisors were equally well pleased with the contributions the summer workers had made.

It was good to have had these temporary employes with us during the past 13 weeks. Many of them will probably be back again next summer. Needless to say, they will be welcomed.

## Aeronutronic Awarded Contract For Shillelagh

The Aeronutronic Division of Ford Motor Company was awarded a \$2,700,000 contract today for continued development of the Shillelagh missile, the Department of the Army announced.

The work will be performed at the Aeronutronic plant in Newport Beach, Calif.

The Shillelagh is designed as a lightweight surface-to-surface guided missile system for close-in support of troops. Development of the missile for Shillelagh is under the technical supervision of the Army Missile Command.

The Los Angeles Ordnance District administers the contract for the Army.



MISSILE COMMAND VISITOR—Alabama's Democratic nominee for Governor, George C. Wallace, visited Redstone Arsenal Wednesday for briefings at the George C. Marshall Space Flight Center and the Army Missile Command. Here, Governor-nominee Wallace chats with Maj. Gen. Francis J. McMorrow, Commanding General of the Army Missile Command.

## GRADUATE

(Continued From Page 1)

The Graduate Study Steering Committee ascertains the areas where technological advances have outstripped the methods in use to accomplish the assigned missions of the Space Flight Center and the Missile Command.

Norman appointed five academic committees to study curricula, to review advanced study courses in relation to mission needs so that the needs can be presented to the University, and to organize a comprehensive advanced study program.

"Universities across the nation are trying to anticipate the technological demands of government and industry, and to prepare students to meet these demands," Norman said.

The 14 member steering committee has been broken into teams to study five specific areas and include members from both MSFC and the Missile Command as follows:

Mathematics: Charles Bradshaw, MSFC, and Dr. William McCorkle, Army; Physics: John P. Hallows, Army, and Dr. William Johnson, MSFC; Engineering: Otto Hoberg and Helmut Bauer, MSFC, Heinrich Heithecker and Dr. Bruce Reese, Army; Chemistry: Dr. William Lucas, MSFC, and James Norman; Management: Dr. Charles Hersh and John Hinkle, Army, and James F. Dowdy, MSFC.

## STUDENTS

(Continued From Page 1)  
regional vice president of AFCEA; speaking to the group.

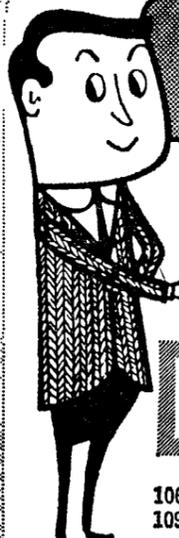
Following the luncheon the tour was resumed, ending about 3:30 p.m.

Participating sponsors of the Fellowship Awards have been the Army Missile Command, Marshall Space Flight Center, Thiokol Chemical Corp., RCA Service Co., Brown Engineering Co., and SPACO, Inc.

## LOCAL & LONG DISTANCE MOVING • STORAGE



"A Mayflower Move Is A Good Move"  
Call 534-2445  
WHITE-MAYFLOWER



# MONEY

Just tell us how much you need to pay old bills, for home improvements, car repairs, for all your seasonal expenses! Phone before noon to arrange for your money the same day.

LOANS UP TO \$300

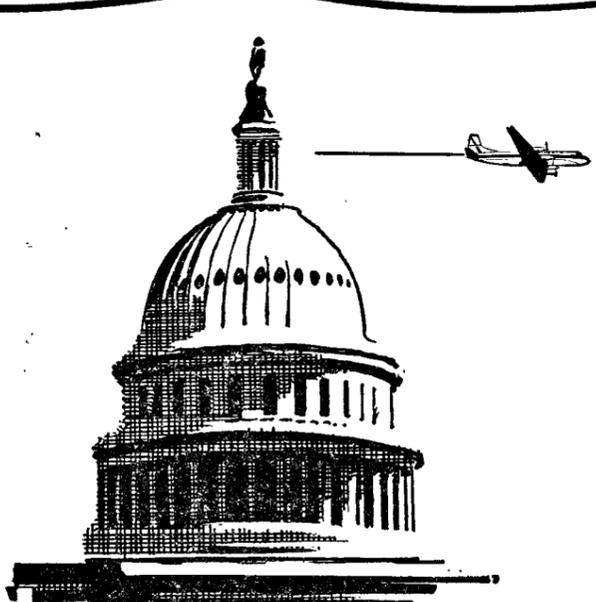
MUTUAL FINANCE

in Huntsville

106 South Side Square .....Phone: 536-8591  
109 Holmes Ave., N.E. ....Phone: 534-0611

in Decatur

121 East Moulton St. ....EL 3-4413



## In United... 4 flights to Washington, including two afternoon nonstops

Enjoy the comfort and luxury of United's famous Red Carpet service on our 3 p.m. nonstop flight to Washington. If you prefer a later departure, choose United's 4:20 p.m. Red Carpet dinner flight nonstop to Washington. United also offers two morning flights to Washington. Call United Air Lines at 881-1250 in Huntsville, or ask your Travel Agent to make your Mainliner® reservations.

THE EXTRA CARE AIRLINE

# UNITED



## GOVERNMENT EMPLOYEES

### Automobile Financing

# COSTS LESS

With GEFC—Compare your monthly payments before you buy.

V. F. CARTER

2905 Bayless Drive — Phone 539-2356



GOVERNMENT EMPLOYEES FINANCE CO.



FORT WORTH, TEXAS

pecially in the weapons acquisition field) has come from Secretary McNamara, both in person and through his staff in the Office of the Secretary of Defense.

**Urgency Rules**

Many of the management techniques and organizational patterns which are being rapidly adapted to many weapons had their origin in the large national urgency weapon projects. Thus PERT was first used on POLARIS; almost universally regarded as a well-managed program. Other new techniques were evolved from several of the Air Force and Army missiles generally regarded as having been well-run programs. Over the last 18 months there has been increasing attention to the question of whether some of the techniques used on these large, urgent programs could not be transferred and utilized on smaller programs, of somewhat lower priority.

One of the management techniques, or perhaps we should call it a management concept, used on several of the national urgency programs was that of vertical project management. Before defining more precisely what is meant by this term and how we are adapting for its widespread use in the Army Materiel Command, it is necessary to explain briefly some of the changes in the basic organization of the Army that have taken place over the last few months.

**THE ARMY REORGANIZATION**

One of the study projects which was assigned to the Army by Secretary McNamara early in his tenure of office was "Project 80," a study of Army organization. This project was headed up by Mr. Hoelscher, Deputy Comptroller of the Army and by a team of Army officers and civilian employees. It was, as Secretary Ignatius has pointed out, "a critical self-examination of the Army, by the Army." The sweeping changes recommended by the Project 80 study group, and approved by the Secretary of the Army and Secretary McNamara, thus take on more significance, perhaps, than as though they had been made by an outside group, unfamiliar with all the traditions and nuances of the way in which the Army works.

The changes which the Hoelscher Committee made in the organization of the materiel side of the Army are perhaps the most sweeping and certainly the ones of greatest interest to this paper.

First and foremost, the Hoel-

scher Committee recommended that the materiel functions of the several technical services — Engineers, Ordnance, Signal, Chemical, Quartermaster, and Transportation should be transferred to a new field command under a single commander who would report directly to the Chief of Staff and the Secretary of the Army. Even if this had been the only change recommended by the Hoelscher Committee, it would have been revolutionary, for the technical services have a long and distinguished history going back in some cases to the origins of the national government.

It should be emphasized that the various technical corps were not abolished. There will still be Ordnance officers, Quartermaster officers and similar specialists, but the Technical Services as operating entities will retain only Army wide service functions and their materiel responsibilities will now be placed under a single line commander. Heretofore the technical services conducted semi-autonomous operations, under the "command-like authority" of two

Department of the Army staff members, the Deputy Chief of Staff for Logistics (DCSLOG) and the Chief of Research and Development (CRD). In the words of the Hoelscher Committee: "In a sense, the Army has seven separate supply services."

Essentially there was less than complete integration among the technical services on the difficult task of weapons acquisition—development and production. In an aircraft, for example, the Transportation Corps might have responsibility for the air frame, the Signal Corps for the electronics gear and Ordnance for any armament the plane carried. There were almost no large modern weapon systems that fell wholly within the technical bounds of a single technical service. Usually several were involved. And while primary responsibility was typically assigned to a specific technical service, the problems of coordination were found to be acute.

The division of authority between DCSLOG and CRD also created some problems. It is seldom in a large modern weapon system that we can draw a clear line between development and production of a system, and the transi-

tion period from development to production is often a critical phase in the life cycle of a weapon.

The lack of integration among the technical services, and the divided responsibility in Army headquarters for the development and procurement phases of a weapon system, led many observers to the belief that the "lead-time" on Army weapons was excessive, that in some cases costs were higher than necessary and that performance, once in the field, was not always equal to the needs of combat personnel. In particular, despite some outstanding successes, it was felt by many that the Army was falling behind in the race to exploit rapidly evolving technology.

Briefly stated, these were the factors that led the Hoelscher Committee to recommend a unified Army Materiel Command.

**ARMY ORGANIZATION**

In the first place, in the headquarters there is a strong technical and support staff that can relieve Department of Army staff personnel of much of the day to day activity that they have been forced to conduct in the past. This should permit the Army head-

quarters staff to focus increasingly on long-range plans, programs and policies.

In the second place attention should be directed to the office of the Comptroller and Director of Programs. This office, under General Bunker, combines two functions that are often separated in large organizations. One is the approval, integration and coordination of the numerous programs (and their accompanying budgets) that will come under the jurisdiction of AMC. The other is the control and allocation of appropriated funds managed by AMC. We believe that these two functions—programming and funding—belong

(Continued on Next Page)

**Governor's Drive Barber Shop**  
 2901 Governors Drive  
 Between Butler High and Parkway  
**Regular Haircuts .... \$1.00**  
**Flattops, thru age 13 \$1.00**  
 Open 8 to 8 . . . 6 Days a Week  
 Your Patronage Appreciated

**FALL QUARTER**  
 Sept. 24-Dec. 14, 1962  
 Classes begin: Sept. 26  
 Placement tests: Sept. 24, 28  
 Math test 6:00 p.m.  
 English test 7:00 p.m.

**HUNTSVILLE CENTER**  
 University of Alabama

For further information  
 CALL 539-7731  
 Last day of registration:  
 Oct. 6, 1962

Registration: Sept. 24-25 — 12:00-8:00 p.m.

— Schedule of Classes —

**DAY CLASSES ON MONDAY AND WEDNESDAY**

Accounting 1 (8:00-10:05)	French 1 (10:05-12:10)	English 1 (1:00-3:05)
History 1 (8:00-10:05)	Mathematics 9 (10:05-12:10)	Drawing 5 (1:00-5:05)

**EVENING CLASSES ON MONDAY AND WEDNESDAY**

First Period: 5:50-7:55 p.m.

Course	Title and Prerequisite	Sem. Hrs.	Cr.
ACC 53	Intermediate Accounting—Acc3	3	3
AE 130	Aerodynamics—MA 51, MH 80	3	3
AE 177	Dynamics of Flight—AE 131 and GES 131	3	3
AE 191	Special Problems (Applied Statistics in Meteorology)—Sr. standing and BS 135, 136, IE 56, or AE 141	3	3
CH 201	Advanced Inorganic Chemistry, Part I — Grad. standing in Natural Science or Perm. of instr.	3	3
DR 5	Fundamentals of Mechanical Drawing (6-10)—None	2	2
DR 11	Engineering Drawing (6-10)—MA 25 or evidence of previous instruction in mechanical drawing	2	2
ED 63	Educational Psychology—PSY 1	3	3
ED 211	Principles of Guidance—Grad. standing	3	3
SPE 95-205	Psychology of Mentally Retarded Children—Grad. standing	3	3
EE 51	Fundamentals of Electrical Engineering I (Prob. Sessions Fri. 6-9)—PH 6c, MA 49	3	3
EE 221	Electromagnetic Field Theory—EE 181	3	3
EH 2	English Composition—EH 1	3	3
EH 6	English Literature—EH 5	3	3
EH 42	English Composition for Engineers—EH 41 or Perm. of instr.	3	3
EH 184	Technical English—EH 1-2 or 41-42 and Jr. standing	2	2
GES 222	Graduate Engineering Analysis II — Ma 53	3	3
GR 55	German Conversation—GR 1-2 or 9-10	3	3
HY 1	History of Western Civilization—None	3	3
IE 54	Engineering Organization—EC 11	3	3
IE 212	Design and Management of Organizations—Grad. standing and Perm. of instr.	3	3
IE 255	Statistical Methods of Engineers—MA 51 and Grad. standing	3	3
MA 01	High School Algebra—None	NC	NC
MA 9	College Algebra—See footnote	3	3
MA 11	Introductory College Mathematics—See footnote	3	3
MA 49b	Calculus and Analytic Geometry—MA 49a	2	2
MA 53	Applied Differential Equations—MA 51	3	3
MH 155	Mechanical Vibrations—MH 56, 64, and MA 53	3	3
MH 382	Theory of Flow of Viscous Fluids—MH 281	3	3
PH 5c	Technical Physics (Mechanics) (Lab: Tues. 5-8) — MA 25 or parallel; recommended parallel MA 49a	3	3
PH 231	Electromagnetic Theory I — 20 hrs. of PH and Grad standing	3	3

Second Period: 7:55-10:00 p.m.

ACC 3	Accounting Analysis—ACC 2	3	3
BIO 1	General Biology (Plant) (Lab.: Fri. 6-10)—None	4	4
BL 51	Intro. to Business Law—Jr. standing or Perm. of instr.	3	3
EC 12	Principles of Economics—EC 11	3	3
EH 03	Fundamentals of English—None	NC	NC
EH 1	English Composition—See footnote	3	3
EH 41	English Composition for Engineers—See footnote	3	3
HY 92	Europe Since 1815—9 hrs. of HY or Perm. of instr.	3	3
IE 55	Intro. to Engr. Statistics—MA 49b & concurrently with MA 51	3	3
MA 15	Analytic Trigonometry—MA 9 or MA 11	3	3
MA 25	Analytic Geometry and Calculus—MA 15	3	3
MA 37	Fundamentals of Mathematics (Education students)—None	3	3
MA 49a	Calculus and Analytic Geometry—MA 25	3	3
ME 95	Thermodynamics—PH 5, MA 51	3	3
PH 53	Intro. to Atomic and Nuclear Physics—8 hrs. of PH	3	3
POL SC 3	Functions of American Government—POL SC 1	3	3
PHL 2	Intro. to Scientific Methods—None	3	3

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

**Boldface symbols indicate Graduate Study Program Courses.**  
 CURRENT AFFAIRS SEMINAR—The Supreme Court in Contemporary America—Friday Nights (8-10), Oct. 5-Nov. 16, 1962.

**TUESDAY AND THURSDAY**

First Period: 5:50-7:55 p.m.

Course	Title and Prerequisite	Sem. Hrs.	Cr.
ACC 1	Principles of Accounting—None	3	3
AE 171	High Speed Aerodynamics—AE 132 and GES 132	3	3
ART 7a, 7b; 8a, 8b	Design and Orientation (Tues. only, 6-10)—None	1½	1½
BUS ST 1	Mathematics of Finance—MA 9 or equiv.	3	3
CH 1	General Chemistry (Lab: Fri. 6-10)—MA 9	4	4
DCF 1	Digital Computer Fundamentals—None	NC	NC
DR 42a	Production Illustration (Thurs. only 6-10) — DR 11	1	1
EC 11	Principles of Economics—None	3	3
EE 151	Transistor Circuits—Perm. of instr.	3	3
EE 201	Transients in Linear Systems—EE 134	3	3
EE 205	Servomechanisms—EE 134 and Grad. standing	3	3
EE 211	Network Analysis—EE 134	3	3
EH 1	English Composition—See footnote	3	3
EH 2	English Composition—EH 1	3	3
FR 4	Intermediate French—FR 3	3	3
GDC	Government Defense Contracting—None (5:30-7:30)	NC	NC
GR 2	Elementary German—GR 1	3	3
HY 35	Institutional and Cultural History of Christian Church to 1500—None	3	3
IE 53	Manufacturing Processes—Soph. standing	3	3
IE 206	Principles of Human Engineering—Grad. standing and Perm. of instr.	3	3
MA 49a	Calculus and Analytic Geometry—MA 25	3	3
MA 91	Intro. to Real Analysis—MA 51	3	3
MA 124R	Celestial Mechanics I — 17 hrs. of MA	3	3
MA 127	Vector Analysis — 17 hrs. of MA	3	3
MA 255	Intro. to Complex Analysis—Normally preceded by MA 91	3	3
MA 222R	Theory of Stability—MA 259	3	3
MH 55	Statics—MA 49, PH 5c; Pre or parallel MA 51	3	3
MH 161	Advanced Mechanics of Materials—MH 64	3	3
MH 366	Theory of Plates and Shells—MA 53	3	3
PH 101	Intro. to Theoretical Physics (Intermed. Mech. II)—PH 72 and differential equations	3	3
PH 155	Infrared Radiations—PH 70 or 141, MA 49	3	3
POL SC 1	Principles of American Government—None	3	3
PSY 28	Applied Psychology—PSY 1	3	3
	Reading Improvement—None	NC	NC
RUS 4	Intermediate Russian—RUS 3	3	3

Second Period: 7:55-10:00 p.m.

ACC 2	Principles of Accounting—ACC 1	3	3
EH 1	English Composition—See footnote	3	3
EH 5	English Literature—EH 1-2	3	3
FR 1	Elementary French—None	3	3
GR 1	Elementary German—None	3	3
HY 21	The U. S. to 1865—None	3	3
IE 105	Engineering Economics—Sr. standing	2	2
INV I	Investments I (Tues. only)—None	NC	NC
MGT 51	Principles of Administrative Organization—EC 11-12, concurrently with EC 12	3	3
MA 9	College Algebra—See footnote	3	3
MA 15	Analytic Trigonometry—MA 9 or 11	3	3
MA 51	Calculus—MA 49b	3	3
MH 64a	Mechanics of Materials, Part I—MH 55, MA 51	2	2
PH 6c	Technical Physics (Heat, Light, and Sound) (Lab: Mon. 5-8)—PH 5c	3	3
PH 85	Intermediate Electricity and Magnetism—MA 51	3	3
PSY 1	Intro. to Psychology—None	3	3

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

Persons desiring to enroll at the Center for the first time should submit applications for admission well in advance of the date of registration. Applications for admission and transcripts of high school or college records must be filed with the Center Registrar and approved by the Office of Admissions on the main campus before registration. Application forms and information on admissions are available at the Center office.

**AUTO MONEY**



- For any purpose
- Reduce Payments — Compare Rates.
- Friendly, Personal Attention always.
- We specialize—Visit us today for the money you need.

All loans in keeping with our liberal Auto Credit Policy.

**Home Finance Company**

2111 Clinton Ave., W.  
 Huntsville, Ala.  
 PHONE 536-9686

### GEN. BESSON'S ADDRESS

(Continued From Preceding Page)

together and that their combination in this single office will add considerable strength and cohesiveness to the direction and control of operations. AMC will have a total annual budget of approximately \$7.5 billion. Thus the financial management job is a formidable one.

AMC has seven major subordinate commands. One of these combines all of the supply and maintenance functions of the Army through the wholesale level, headed by General Schomburg. The Test and Evaluation Command is headed by General Ryan. It will conduct the tests required to determine the technical and tactical adequacy of equipment and will work closely with both the Combat Development Command and the users of end equipment, represented by the Continental Army Command.

The other AMC commands represent a regrouping of the former technical services, along commodity lines. Thus the Missile Command replaces, on a somewhat expanded basis, the former Army Ordnance Missile Command at Huntsville . . .

Thus far the new AMC essentially represents a drawing together in a single unified command of the technical services, plus some testing and evaluation duties formerly carried out by CONARC . . .

Leaving aside the amounts spent on personnel pay and on operations and maintenance, the Army spends each year about \$4 billion on Research, Development, Test and Evaluation (RDT&E), and on the Procurement of Equipment and Missiles (PEMA). The bulk of these expenditures fall within the scope of AMC. If we analyze these expenditures by programs or specific items of equipment, we find that a relatively small number of programs account for nearly 50% of AMC's RDT&E expenditures and slightly more than 50% of its PEMA expenditures. For example, the NIKE-ZEUS program absorbs large amounts of RDT&E funds; the M-60 tank program (and the M-48 tank-retrofit) absorbs substantial amount of PEMA money.

Still other programs, while not heavily funded, are nevertheless of great importance to the present or future of the Army. Some of

these are new programs which may eventually be in the multi-billion dollar class. Others are smaller programs which are of crucial importance or which have experienced technical or other problems.

#### AMC PROJECT MANAGERS

There are currently twenty-seven large dollar value, or critical, programs that can be identified. These 27 programs are a minute fraction of the total number of items which will be handled by AMC. It is clear that if AMC is to discharge its overall mission satisfactorily, these 27 programs must receive a major share of our attention and must be vigorously and effectively managed. For this purpose we have established as an integral part of the AMC structure a system of vertical program management that will be applied to these 27 programs.

It should be stressed that this vertical management structure is basic to the concept under which AMC was established. It is not something hastily superimposed on a functional organization. It will be the MAIN management pattern for about half of our total activity . . . Let us try to define more precisely what we mean by vertical project management and how it has come into being in other organizations.

By vertical project management we mean the vesting in a single individual, group or organization of the sole line authority and responsibility for accomplishing the objectives of a program. We also mean that the individual or group is focused exclusively or primarily on the accomplishment of this program objective and does not have its attention and effort divided among a host of tasks and programs. Let me . . . compare . . . a functional organization . . . to a vertical project organization.

#### FUNCTIONAL COMMAND

Let us assume that we wish to develop, produce and field a new missile system. Ask yourself this question. In the functional chart, who can be held responsible for all the steps necessary to get this missile into the hands of troops? All of the functional and sub-functional offices will probably have some part in the process, but only the



**FORMAL RECOGNITION**—Lodge 1858, American Federation of Government Employees, has been recognized formally as a representative of employees at the Army Missile Command and the Army Missile Support Command. Here, Maj. Gen Francis J. McMorrow, Commanding General of the Missile Command, presents a document of formal recognition to Charles W. Hendrix, president of Lodge 1858, AFGE. Participating in the presentation are Col. Thomas W. Cooke, commander of the Missile Support Command; and Jack N. McConaha, Civilian Personnel Officer.

Commander of the Missile Command can really be tagged with this responsibility. And, in fact, since there will be electronics and mobile launchers involved, it may be that even he cannot be held fully accountable. Furthermore, even if he could be, this commander has a dozen or two other projects under his general cognizance, and his attentions and efforts must be directed, in part, to all of them. In the functional chart, therefore, there is no one who can be clearly identified as being in charge of our missile system.

In some cases an attempt to meet this problem has been made by appointing a "project coordinator" within the command. Typically, such an officer has been in a "staff box" attached to the Commander's office. He has had one or two assistants but no line authority over the functional groups that may be working on our missile system. Nor does he typically have funds or other resources which he can bring to bear on the project.

Many of these project coordinators have been successful in expediting projects or in resolving difficult problems of technical coordination. But in many of these cases their success has been in spite of, rather than because of, their position in the organizational structure. They have been

strong and forceful leaders who have been able to persuade and cajole the personnel in the functional groups to pull together on the project. While we must recognize the contribution that many of these coordinators have made, it would be unwise to perpetuate this essentially "weak" form of organization for those systems and equipments on which we wish to focus special attention.

#### VERTICAL MANAGEMENT

. . . what is the difference between vertical organization and the functional organization with a project coordinator. Three things essentially differentiate the project manager approach.

In the first place, he has a considerable project staff, assigned to his immediate office and responsive directly to him. This staff consists in part of technical personnel who can follow the main

technical problems of the weapon (whether they be developmental or production) and who can initiate proposals for solving technical problems for approval by the project manager. The technical personnel also initiate the technical development plan. The project manager also has a management or administrative staff immediately responsive to the needs of the project in such areas as programming, budgeting, financial management and the like.

A second feature of a project-oriented organizational structure is the fact that the project manager controls the dollar resources allotted to his project. In AMC, funds for the 27 programs which are project-managed, regardless of whether they are research and development, test and evaluation, or procurement funds, come down

(Continued on Next Page)



## SUPER-SAVER!

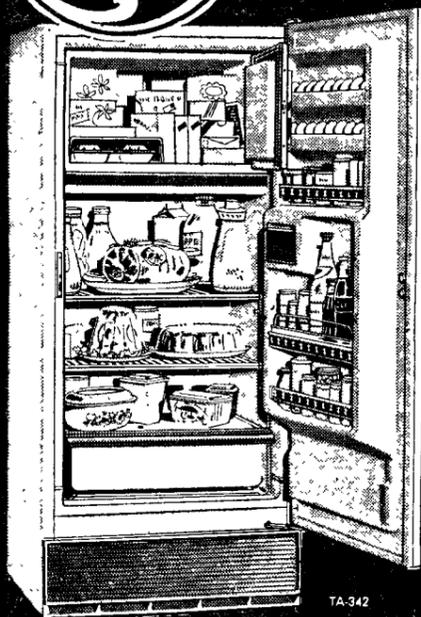
**2 APPLIANCES IN 1**

- ZERO-DEGREE FREEZER
- AUTOMATIC DEFROST REFRIGERATOR

**NOW ONLY \$248<sup>88</sup>** with operating trade

11.5 CU. FT. REFRIGERATOR-FREEZER only 28 inches wide

- Three cabinet shelves (1 slide-out, 1 adjustable)
- Porcelain vegetable drawer
- Butter keeper
- Egg shelves
- Wire rack cover — simplifies ice tray removal



**LIMITED QUANTITIES! HURRY! ACT NOW! SAVE!**

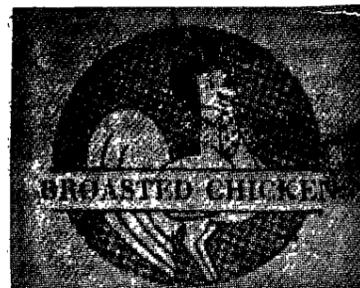
**MILLER FURNITURE AND APPLIANCE CO.**

113 CLINTON AVE., W. — DOWNTOWN HUNTSVILLE  
Phone 534-3577

"You Always Do Better Downtown"

### We Feature BROASTED CHICKEN

With Salad,  
F.F. Potatoes  
Hot Buttered Rolls  
**1/2 Chicken**  
**99c**



### RIB 1 STEAK

Red Magic Cooked—8 oz. Tender mouth watering French fries, Slaw or Salad.  
Hot rolls — Butter.

**\$1.69**

### Try Our PURE MEAT HAMBURGER STEAK

With Salad — F. F. Potatoes  
Hot Buttered Rolls

**85c**

### VEAL CUTLET

Fried Golden Brown, Salad, F. F. Potatoes and Hot Buttered Rolls.

**85c**

### Try Our SPECIAL CHUCK WAGON STEAK

With Salad, F.F. Potatoes  
Hot Buttered Rolls

**85c**

### HICKORY SMOKED BAR-B-Q PLATE

With Cole Slaw, Potato Chips or French Fries.

**1.25**

Childs 'Plate ----- **95c**

Phone In Order Ahead To Be Ready When You Arrive

Bucket of CHICKEN

Our Own Bar-B-Q to Go

**\$1.99 Per Bucket**

Pork, lb. \$2.00

Will Serve 6 People  
French Fries, lb. 80c

Beef, lb. \$2.25

Slaw, Pt. 35c

Chicken, (Whole) \$1.25

Pick Up at Rear Drive Window

## SNO-WITE Drive Inn

WHITESBURG DRIVE

OPEN 24 HOURS — 7 DAYS A WEEK

from Hq. AMC specifically for the project. They cannot be used by the mid management commander for other purposes without a program change, in which the project manager has an active voice. These funds, plus his authority over a specific project, means that the project manager can "buy" a substantial amount of support and assistance, both from in-house laboratories and installations and from outside contractors as well.

A third feature of project management in AMC is that each manager is effectively "wired in" to the top. It is the responsibility of the Commanding General, AMC to establish project offices in the first instance, either on the recommendation of the commander of one of the mid-management commodity commands or on his own initiative. The project managers are appointed under a special letter of instruction. With respect to their project, they "wear the C. G.'s hat."

**CHANNELS OF AUTHORITY AND COMMUNICATION**

As previously indicated, we have selected 28 Army Weapons for program management. This is too large a number to have all of the managers report directly to me. Accordingly, I have designated 12 that will report to me and 16 which will report to one or another of the mid-management commodity commanders. However, each of the 16 project managers who report to a commodity commander will be lined with me by a "red-line channel." This means that I can communicate with him directly at any time without going through "normal channels" and that he can communicate, upstream, with me, without going through his commander. In addition, I expect to participate with his commander in evaluating and rating those AMC project managers who report to the mid-management command.

Those of you who are familiar with the Army and how it works may be somewhat skeptical of this "red-line channel" and how it will work in fact, especially in the upstream direction. Traditionally one does not by-pass his commanding officer in the Army and go to the next higher echelon. The basic purpose of the "red-line" is two-fold. In the first instance, we want to create an avenue for fast access for emergency purposes. In such cases, I would expect that the project manager would advise his commander either before coming up the red-line (and presumably obtain his commander's concurrence) or immediately afterwards if time did not permit prior checking. In the second instance, we desired to create a prescribed avenue for bringing quickly to my attention problems or conflicting priorities which could slow down a particular program.

Let us say that a program manager needs some work done expeditiously in a laboratory which is part of the commodity command to which he reports. He is unable to get the work done there because the laboratory is already filled with equally high priority work. His commander is unwilling to order a change in the laboratory's current work-loads, but the project manager believes that unless he can get his work into the laboratory promptly his program may be delayed by five months.

If the commander and project manager cannot resolve this problem quickly, I want to know about it. In the last analysis I am held accountable for important slippages, and I do not want to have them catch me by surprise. In such a circumstance I would expect the commander to notify me promptly. If he does not, I would expect the project manager to use his "red-line."

It is obvious that the project manager must use care and circumspection. If his case is not good or if he uses the "red-line" in an irresponsible fashion, and if this pattern becomes repetitious, he is almost certain to be replaced. By the same token, if the commander is inflexible and fails to support the project managers un-

der his jurisdiction, I am apt to start asking him pointed questions about whether he would perhaps not be happier at a different installation.

In short "red-line channels" in a hierarchial structure, such as any military organization must be used judiciously by reasonable men. But they are a partial cure for a series of smoldering problems that are apt to burst into flame in the face of the top command. We expect to have many problems in AMC; we hope not to have many surprises.

**CRITERIA FOR SELECTING WEAPONS TO BE PROJECT MANAGED:**

Included among the 27 AMC programs that are to be project managed is a wide variety of weapons. For example, there is the new M-14 rifle, now well in production. We hope that its problems are about over and that it can soon be "de-projectized," with follow-on production turned back to routine procurement through the Procurement Division of the Weapons Command. At the other end of the spectrum is FABMDS (the Field Army Ballistic Missile Defense System) which is a highly complex group of electronics gear, not yet an approved program. We know however, that if it becomes an approved program its total program development and production costs will run into several billion dollars. In between there are projects in all of the technical areas, of all sizes and degrees of com-

plexity and at all stages . . . of development and production. Before turning to some of the details of how project management offices are expected to perform, it is necessary to examine the criteria of how these programs were selected for project management.

The main criteria are as follows:  
a. Mission, criticality of the weapon (equipment) system to the defense of the United States.

b. Urgency of getting the weapon (equipment) into the hands of using units on an expedited basis.

c. Interest in the particular weapon (equipment) system evidenced by Congress, Secretary of Defense, Secretary of the Army or Chief of Staff, U. S. Army.

d. Complexity of the weapon (equipment) system requiring participation to an unusual degree of two or more Commodity Commands.

e. Relation of the weapon (equipment) system to major Army modernization objectives.

f. High dollar unit or total cost of the weapon (equipment) systems. In the case of some weapons several of these criteria apply. In others, only one, or perhaps two. With this wide spectrum of criteria and with the wide differences among weapons, it is not surprising that there is no single model by which to determine either the size of a project office or its exact functions. In large part, each project office must be tailored to the specific weapon and the functions, and must change as the weapon evolves from feasibility study through development and into pro-



AUSA MEMORIAL FUND DRIVE—M/Sgt. Frank E. Estelle, NCO-IC, Office of Operations at the Missile School makes his contribution to First Sergeant James A. Benson of Hq & Hq Co., STC to aid in the restoration of the U. S. Army's birthplace, a historic mansion on Independence Square, Philadelphia, Pennsylvania. The Association of the United States Army plans to restore this famous landmark through world-wide contributions received during the next few months. Contributions may be made to the Information Office, USAOGMS, Bldg. 3300.

**U. S. TIRE SERVICE**

For  
**U. S. TIRES**  
And  
**Fully Guaranteed COMPLETE RECAPPING SERVICE**

Located Across From Butler High School  
DIAL 534-5312

duction. We have also evolved some criteria for "deprojectizing" a weapon and returning it to the functional groups (usually after it is well into production). Essentially these criteria are the converse of those just recited for placing a system under project management.

Over 83 percent of the 1,925,000 employees participating in the Federal health benefits program have the high option coverage.

**RAY ALBIN**

and his staff at Milady's and  
Dunnivant's Beauty Salons

WISH TO EXPRESS THEIR SINCERE THANKS  
AND APPRECIATION TO ALL THEIR FORMER  
CLIENTELE.

Mr. Albin Has Consolidated These Two  
Salons Into One . . .

**Studio of Hair Design**

IN THE HOLIDAY PLAZA SHOPPING CENTER  
Corner of Bob Wallace and Patton Road



Ray Albin

. . . and invites you to visit him and his staff at their new location where the same courteous and quality service will be assured.



**STAFF INCLUDES**

- MISS ANNA, Member of Ala. Hair Fashion Committee
- DICK SMITH
- LARRY FANNING
- GLADYS BATES
- VEE WESTON
- JACK CALHOUN, A Newcomer to Our Staff

Formerly of  
Milady's

Formerly of Dunnivant's

**RAY ALBIN**  
OWNER

Member of the Official Hair Fashion Committee

**PHONE 536-3792 For Your Appointment!**

# Sports by Handy

## Swimming

Only a few days are left for the "Johnny Weismullers" and "Esther Williams" at the Special Services Swimming Pool. The Pool is scheduled to close on Sept. 15.

If, by chance, the weather remains good after that date, then the closing date will extend to Oct. 1. Even with the few human mistakes this season, I believe that the lifeguards and instructors have done a magnificent job in safety and in control of the swimming itself.

There is nothing more dull than to have to sit on a lifeguard chair for hours at a time and watch others have fun. To realize competent men are on duty at all times for yourself and for your children makes use of the Special Services Swimming Pool one of your summer habits.

Next year a bigger picnic area is planned for the benefit of all. It is hoped that all who used the Pool for 1962 enjoy it and realize the benefit of it.

## Tennessee Picnic Area

The Tennessee Picnic Area will close on Oct. 1 for the season. This past season has been a slow one compared to the past seasons. Maybe with the improvements planned for next season, the attendance will increase.

More playground equipment is planned, better tables, more bar-b-q pits and the possibility of a good softball field. With the wall built this last spring, when the bank was washed away, many did not know that the fishing is good by the wall, at least the "cats" are lying by the fallen trees. Next season there should be some big'uns.

With the river coming up to its level, boating will be better and many will be taking advantage of the boat harbor just to the right of Area No. 1.

## Normandy Farm Picnic Area

Normandy Farm Picnic Area will stay open all season. For the cool breeze fans in the fall this area is available with no reservations needed. The Area will be open 1630 hours til 2100 hours Monday through Friday. Saturday and Sundays 0900 through 2100

hours. On week days, Range 7 should be contacted for firing, before using the Area.

The 'Farm Area' will be improved with better tables, possibility of new latrines and more bar-b-q pits. So the 1963 season will be a promising one for the 'picnickers' so the 'picnickers' don't get lonesome next year, the 'jets' will be making their runs into the airport.

## Soccer

Teams looking for a place to practice can use the large field North of Bldg. 3491. Goals have already been placed on the fields. The field has not been lined off but with time and personnel it will be.

Soccer equipment request should be submitted to Special Services Supply Bldg. 3491 as soon as possible. Call 876-1418 for further information.

The field will be reserved for Soccer on various days of the week, while the days left will be football practice. Contact Bldg. 3474 Work-Out Facility or call 876-4065 for the days to practice. If soccer can be organized early enough this year then a well rounded program can be had.

Soccer has taken a big stride toward popularity here in Alabama and it is hoped that a program can be had for the benefit of the troops and the spectators.

## Football

Football uniforms have been given out, practices have been going on nightly and the new lighted field will be ready for the first game September 18, 1900 hours. Practice field in the troop area is available by calling 876-4065 for reservations. With plenty of parking space at the new field (by 'tin village'), new bleachers, and a good schedule, the spectators will enjoy the coming 1962 football season.

## Bowling

Leagues of all types are opening up next week at the Redstone Arsenal Bowling Lanes. Anyone interested in joining some type of league or team contact the Alleys and check with Sgt. Paulette, Bowling Lanes Manager, 876-4160. Lets have a banner year in bowling.



**THIRD ARMY CHAMPIONS**—The "Doughboys" from Fort Benning, Georgia who defeated the RSA team Friday morning to win the 1962 Third Army Baseball Tournament. Fort Benning lost the opening game to Fort Jackson 4 to 2 but came back to defeat in order Fort Campbell, Fort Jackson, Fort McPherson and Redstone Arsenal.



**THIRD ARMY RUNNER'S UP**—The "Rockets" of Redstone Arsenal who finished in second place. RSA's team suffered their two defeats from the Fort Benning "Doughboys." (Left to right) front row McNutt, Flynn, Drabczyk and Lyles; second row, Piontek, Hallbeck, Garman and Curtiss; third row, Davis, Sartini, Gebhard, and Noethling. Not shown in the picture but members of the team were Rosenthal, Westcott, Galecki, and Keene.

## TOURNAMENT

(Continued From Page 1) scoreless innings during the tournament.

In the final game of the series, Ft. Benning took an early lead of five to one at the top of the second.

Redstone's first baseman Ted Noethling then tripled with three men on and scored on a wild pitch. At the end of the second inning the score was an even five to five.

Benning scored two runs in the top of the fifth and Redstone scored one in the bottom, their final run of the day.

Several tries for a rally were cut short by the pitching of Spells, then in the top of the seventh, the Benning nine punched out three more runs off two hits and an error by Redstone.

They added another run in the ninth to clinch their victory by an 11 to 6 margin.

Redstone's only losses during

the five day tournament were their final games with Ft. Benning.

Maj. Gen. Francis McMorrow presented the team trophies immediately following the game. Accepting the winner's trophy for Ft. Benning was pitcher Charlie Spells. Irving Lyles, coach for Redstone Arsenal, accepted the runner-up trophy.

Col. Thomas W. Cooke, Post Commander, then presented the radio to all members of the Redstone Arsenal. (Continued on Next Page)



## BEAUTY ON A BUDGET . . .

Permanents ..... \$8.50 up  
Shampoo & Set .. \$1.75 up  
Hair Cuts ..... \$1.50

## DAVITA'S BEAUTY SALON

Pearsall Shopping Center — Phone 534-5472

## MILK

### The Protein Snack

GOOD TO THE LAST DROP!

Give them all they can drink everyday.



From Your Grocery or Delivered to Your Home by . . .

## Meadow Gold Dairies

# FALL IS IN THE AIR SO OUR SPIRITS ARE HIGH . . . OUR PRICES ARE LOW!

**1962 CHEVY BEL-AIR**  
4 dr., V8, S.S., radio & heater, 5,000 miles. Like new.  
**\$2495.00**

**1962 FORD FAIRLANE**  
6 cyl., S.S., radio & heater. Save \$450.00 on this one. Only . . .  
**\$1895.00**

**1958 BUICK**  
2 dr. hardtop, fully equipped, includes power Steering and brakes. A local clean car. Only . . .  
**\$1295.00**

**1961 OLDS "88"**  
4 dr. hardtop, fully equipped, includes power steering and brakes. Like new with 12,000 miles.  
**\$2695.00**

**1959 TR3 ROADSTER**  
Convertible. Solid black with red interior.  
**\$1295.00**

**1958 PONTIAC**  
2 dr., hardtop, fully equipped. Red and white. Nice!  
**\$1295.00**

**1960 PONTIAC**  
Bonneville, 4 dr., hardtop, fully equipped, includes power, S & B, real nice.  
**\$2395.00**

**1961 CHEVY IMPALA**  
Convertible cpe. V8, S.S., R&H, white with red interior. Buy this '61 at the price of a '60.  
**\$2295.00**

**SPECIAL ! !**  
**1961 FORD GALAXIE**  
4 dr., V8, fully equipped, includes power steering, white with red interior.  
**A Special at Only \$1995.00**

Home of the Cleanest Used Cars in Town  
NO MONEY DOWN ON ANY CAR IF DESIRED

## MERIDIAN STREET MOTORS

1011 MERIDIAN STREET PHONE 536-9261  
OWNERS — HOUSTON JOHNSON & BUDDY COLE

# Jim Nelson Wins Golf Tournament

Winner of the Senior Division in the annual Wishart Golf Tournament last week for boys and girls under 18 is Jim Nelson.

The tournament is played on the Redstone Arsenal Golf Course and is divided into Senior and Junior Divisions.

Nelson shot 39-42-43-38 for 36 holes to win the Senior Championship flight with Chuck Graham shooting 92-87 to place in the runnerup spot.

Winner of the First Flight was Terry Thompson with Jim Kaiser in the runnerup slot.

In the Junior Division, Ken Owens won the championship flight with Richard Graham runnerup. The Junior Division tournament is 18 holes.

The Tournament, sponsored by Col. and Mrs. H. H. Wishart, was begun last year on a perpetual basis and will be sponsored after the Wishart's take up a new assignment by the Redstone Arsenal Officers Wives Club.

A perpetual plaque has been donated by the Wisharts to hang in the Arsenal Clubhouse. Tournament winners names are inscribed on the plaque.

At the conclusion of the tournament, the Junior Golfers were all honored at a luncheon in the Rathskeller where Col. and Mrs. Wishart presented the individual trophies to winners and runners-up.

In turn, the Junior Golfers presented Col. and Mrs. Wishart with a certificate for the work and successful golf program they have established for the Juniors at the Arsenal. Jim Kaiser made the formal presentation.

## TOURNAMENT

(Continued From Preceding Page) stone team and watches to the members of the winning Ft. Benning team.

The box scores for the entire tournament appear below:

	AB	R	H	E
Ft. Benning	37	2	5	4
Ft. Jackson	30	4	3	4
Redstone	39	7	8	2
Ft. Campbell	39	6	12	3
Ft. McPherson	46	6	7	3
Ft. Jackson	42	5	7	3
Ft. Benning	37	9	10	0
Ft. Campbell	27	0	0	3
Ft. McPherson	34	4	6	4
Redstone	30	7	5	5
Ft. Benning	34	6	9	1
Ft. Jackson	35	2	9	6
Ft. Benning	36	15	12	1
Ft. McPherson	26	2	4	3
Ft. Benning	41	13	13	1
Redstone	34	5	8	1
Ft. Benning	39	11	10	3
Redstone	38	6	7	4

appropriate for this type of event inasmuch as very few gravel roads were used; however, those that were used were really rally roads! If a contestant were unfortunate enough to have to closely follow another on these gravel roads, the dust presented quite a visibility problem. The scenery was excellent, and the frequency of instructions allowed sufficient time for the entrants to enjoy some sight seeing.

Leaving Huntsville at 7 a.m. on Saturday, the rallyists headed southwest in a loop that eventually brought them north toward Florence in the afternoon and ended in Decatur. Sunday's portion of the rally followed the same course as Saturday's portion to Morgan City, and ended there again early in the afternoon.

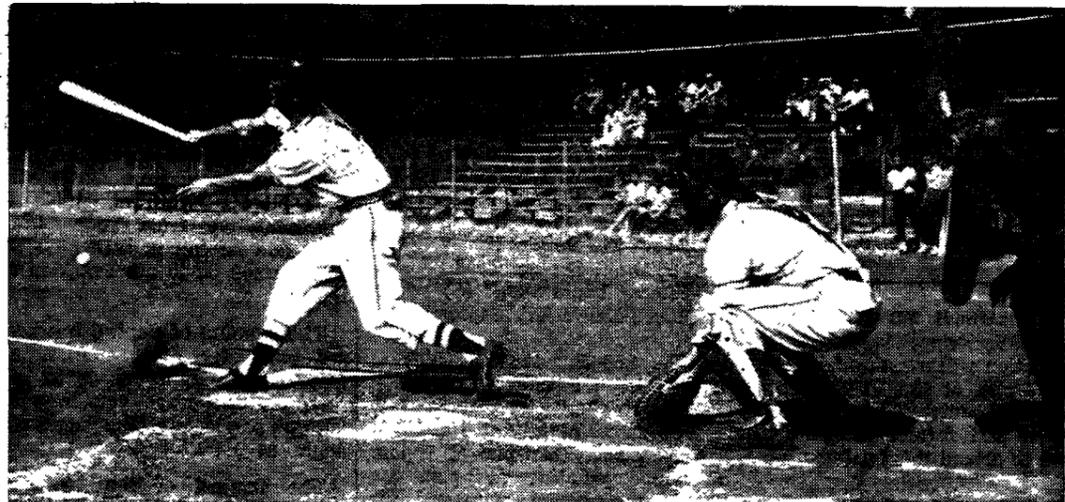
Penalty points accumulated by the contestants were totaled to determine the winners of this event. In first place, having done an excellent job of rallying, were Pete Walden and A. Lynch of Florence in a Corvette. Very close behind were John and Martha Hardiman, also from Florence, in their Triumph TR-3. Trophies were presented by Rallymaster Bill McClain (Philco) at the victory banquet held at the Holiday Inn in Huntsville at 3 p.m. on Sunday.

Tomorrow evening at 7:30 the Twickenham Auto Club will hold their first September meeting at Clark Steadman's Restaurant, corner of Jordan Lane and Holmes Avenue West in Huntsville. Why not come and join in the fun?

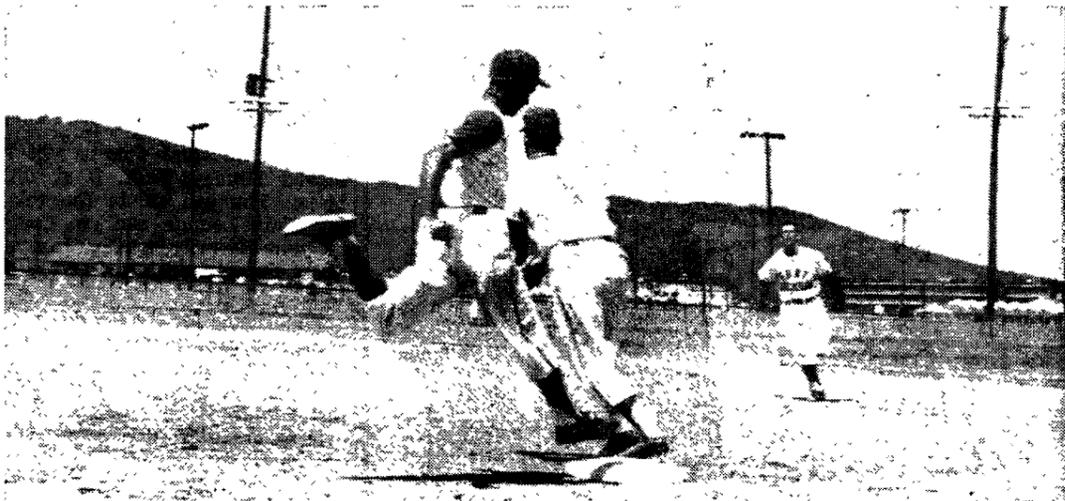
At noon on Sept. 9 at the Parkway City Shopping Center, the Twickenham Auto Club will conduct a gymkhana. John Amoroso (GMS) and John Schlosser (NASA) are planning this one. Let's all go to Parkway City and see what they're up to.



**FIRST BALL**—Colonel Thomas W. Cooke, Commander of the Army Missile Support Agency, and host to the Third Army Baseball Tournament throws out the first ball Monday morning, Aug. 27 to get the five day double elimination tournament underway. Ft. Jackson defeated Ft. Benning 4 to 2 in the first game.



**ON THE WAY**—Redstone Arsenal's first bagger Ted Noethling takes off for first base after hitting a bouncing grounder down the base line. Ft. McPherson catcher Bill Minton watches the play progress.



**SAFE AT FIRST**—Fort Benning's left fielder Wilber Green tags up at first base as Ft. Jackson's first bagger awaits the throw from the outfield. Covering the bag for Ft. Jackson is Jim Weaver. Coming in to back up the play is second baseman Tom DeStanfano. Final score was 4 to 2 in favor of Fort Benning.

## Sports Car Buffs

By Ray Mosling

The Heart of Dixie Regional Rally held in Huntsville the weekend of Aug. 25-26 attracted many entries from other states for one of the longest rallies ever held in this area.

The 500-mile course was appropriate

## WRECKER SERVICE

In case of an accident ask for our new wrecker. Courteous operator, reasonable charges. Day Phone 539-6541, nights 534-0776.

Hill Chevrolet Company

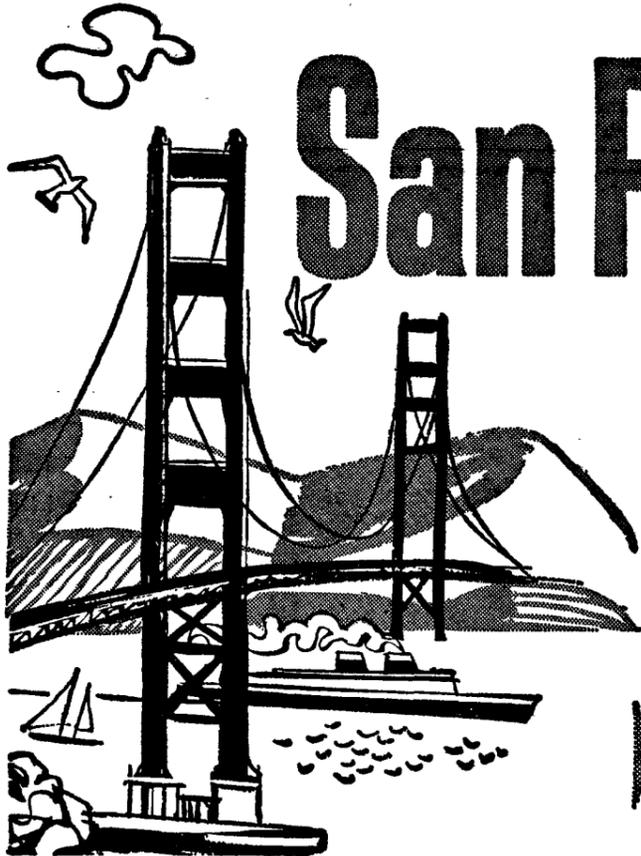


Family confidence is our watchword!

Remember, when there's illness in the family, everything needed for sickroom comfort is here, and we deliver promptly!

**BENTLEY DRUG CO.**

4003 Holmes Ave., N.W. around the clock.



# San Francisco

## THRU-JETS!

The only Jet service from Birmingham  
Convair 880 from Birmingham at 10:50 am,  
arrives 4:00 p.m.  
Other service at 4:10 p.m., arr. 11:16 pm



Call Delta at 536-8576 or see your Travel Agent

**DELTA**  
the air line with the *BIG JETS*

**LT. DAVID HULAN SCORES HIGHEST AT PARTY BRIDGE**

Lt. David Hulan scored an 8100 during competition of the Monday night Party Bridge Group at the Squirrel Hill Officers Club Aug. 27.

Second for the men during the evening's competition was Capt. R. Matsuoka.

Mrs. Robert Scott scored high for the women with Mrs. W. L. Patton second. Six tables were in play.

Mrs. Eugene Krembs handles reservations to play with the group.

**Square Dance Class Begins Next Tuesday**

The "Rocking Rockets Square Dance Club" will start beginner square dancing classes on Tuesday, Sept. 11, in the Rocket Room of the Squirrel Hill Officers Club.

The class will run from 12 to 15 weeks and upon completion the dancers become members of the "Rocking Rockets Square Dance Club."

The experienced square dancers meet regularly on Thursdays at 8:00 p.m. at the Officers Club and those who have square danced before are welcomed.

Square dancing is gaining popularity in this area and several clubs are located in Huntsville as well as on the Arsenal.

**ALUMNI TO MEET**

The Mississippi State Alumni Association will meet tonight, Sept. 5, at 7 p.m. at the VFW Club on North Memorial Parkway. All Alumni and former students are urged to attend this business meeting.

**SOCIAL and CLUB EVENTS**

**Brownies, Girl Scouts To Organize Wednesday**

Registration for membership in Brownie and Girl Scout Troop now being organized on Redstone Arsenal will be held on Wednesday, Sept. 12, at the Girl Scout Building, 3181, at Splinter Village, 10 through 12:30 a.m. and 7 to 8 p.m.

Mothers of interested girls, are urged to attend as registration, transportation and parents consent forms will all be completed at that time and leaders will be present to answer questions. The membership fee required of Girl Scouts, Leaders, Assistant Leaders and Troop Committee members may be paid at this time.

Mrs. Richard Davidson is Neighborhood Chairman. Her phone number is 877-5346.

**Movie Schedule**

\*\*\*\*\*  
 WEDNESDAY, September 5  
 "The Devil at 4 O'clock" (M-YP)  
 THURSDAY-FRIDAY, September 6-7  
 "Damn the Defiant!"  
 SATURDAY, September 8  
 "Flower Drum Song" (F)  
 SUNDAY-MONDAY, September 9-10  
 "The 300 Spartans" (M-YP)  
 TUESDAY, September 11  
 "The Hustler" (M)  
 Two shows nightly at 6 and 8:30 p.m., Saturday matinee at 1 p.m., and Sunday matinee at 2 p.m.

**At the Service Club**

Are you tired of a hermit's life of quiet meditation and thumb contemplation. The Service Club Staff has decided recently that entirely too much of this sort of thing is going on at Redstone. It has come to our attention that there are actually people on Post who are bored and have nothing to do at night. Therefore, we offer a program that is calculated to enliven the atmosphere and chase away the last dregs of boredom that have been hovering over Redstone for too long.

Number one, in our program for injecting life into tired Troopers is our regular dance classes starting Sept. 5 at 1800 hours for the beginners and 2000 hours for advanced group. We have an instructor present to assist even the most fumble-footed person. So don't miss out on any of the dance classes.

The EM Council will meet Sept. 5 at 1400 hours. If any of you have an instigina to an idea for the next months program, tell your representative from your Company and he can in turn pass the information on to our Program Director.

The evening of Sept. 6 has been set aside for Card Capers. All who enjoy playing cards of any sort, we encourage you to come out and participate. The games will begin at 1930.

The Contest of the week is scheduled for Sept. 7 at 2000 hours. Anyone enjoying Schuffleboard? If so, why not come and participate in the Contest? Prize will be given to the winner.

On Sept. 8, outside games will be played. These games include Badminton, Croquet and various others. Punch and cookies will be served at 1830 hours.

Hot coffee and donuts will be served Sunday, Sept. 9 at 0930 hours. You can sit in the relaxing Main Lounge and sip Coffee to your favorite music. Just request the desired tunes at the office.

The Theme for the Sunday night record dance is "Dance Craze." The Sunday night dances provide a wonderful opportunity for practicing your dance steps. How familiar are you with

**FILM FESTIVAL**

Cinema Arts will present its September Film Festival at 8 a.m. Friday, Sept. 7, at Huntsville Utilities Auditorium.

Featured will be two short English produced features, "The Titan" and "White Mane," and a short cartoon "Rythematic." The latter is a re-run which had received considerable favorable comment at its first showing some time ago.

\*\*\*\*\*

**Religious Services**

\*\*\*\*\*

**PROTESTANT**

**SUNDAY—1000 and 1115 Hours**  
 General Protestant Services.  
 (Chapel Nursery open during these services.)

**CHURCH SCHOOL—1000 Hours**  
 Ages 3 years to adults. Classes for children and young people grades 1 through 12, meet in Chapel Annex, Bldg. 3151. All Military and civilian personnel, and families are welcome.

**YOUTH FELLOWSHIP—1730 Hours**  
 Junior High meets in Chapel Annex, Bldg. 3151.

**CATHOLIC**  
**SUNDAY—Masses — 0730, 0845, 1230 and 1700 hours.**  
 Chapel Nursery open during Masses.

Baptisms—1330, or by appointment.

**DAILY MASS—0800 Hours**  
**TUESDAY—1930 Hours**  
 Perpetual Help Novena.  
**TUESDAY—2000—2100 Hours**  
 Choir Practice.  
**SATURDAY—1800—1930 Hours.**

music? To determine your musical ability, why not come to the Service Club and participate in the Musical Quiz scheduled for 2000 hours on Sept. 11.

See you at the Service Club.  
 Brenda

**CLUB MEETINGS**

The American Institute of Industrial Engineers will hold a special meeting at 6 p.m. Sept. 10. Reservations are being handled by Bob Mullins, 987-1610. or Dudley Reese, 876-6382, Huntsville, and Bob Ryland, EL 3-3275, Decatur. \* \* \*

The Red Cross Volunteers at Redstone Arsenal will hold a Coffee at the Squirrel Hill Officers Club at 10 a.m. Thursday Sept. 6.

**TENNESSEE ALUMNI MEET**

The Middle Tennessee State College Alumni Association is holding an all day outing at Val Monte Resort in Guntersville, Saturday, Sept. 8.

Admission includes swimming, boating, and many other activities. Everyone is to bring a picnic supper to be spread at 6:00 p.m. Guests will be members of the College faculty. Mrs. Frank Davis, JE 9-5414, has tickets.

Confessions.

1115 Hours

Mass  
**REDSTONE PARK CHAPEL**  
 Building 9600  
**PROTESTANT**  
**SUNDAY—0945 Hours**  
 Sunday School

1100 Hours

Morning Worship

1800 Hours

Youth Fellowship for all young people, age 9 (or grade 4) and up.

1900 Hours

Evening Worship.

(Nursery is open for morning and evening worship services.)

**CHOOSE —**

Quality  
 Cosmetics

AS  
 YOU  
 DO  
 YOUR CLOTHES

• Each Complements  
 the Other.

**LAINA GREER**

Fine Cosmetics and  
 Perfumes  
 Selected Just  
 for YOU



**GENEVA BOYD**

Phone 539-2625 After 5 p.m.

• OURS  
 EXCLUSIVELY  
 IN  
 HUNTSVILLE

• USE OUR  
 CONVENIENT  
 LAY-AWAY



*Lovely news:*

*the Morning Glory cardigan*

Pure femininity! Darlene prints opulent morning glories on an absolutely luscious sweater of fully fashioned angora wool. And the rich, soft colorings are irresistible! Sizes 34 to 40... Color-cued wool flannel skirt, sizes 5/6 to 17/18...

The  
**TOWN AND COUNTRY**  
 Shoppe  
**DOWNTOWN HUNTSVILLE**  
 Open Wednesday Afternoons  
 And 'til 8 p.m. Thursdays

**Announcement —**

WE ARE DELIGHTED TO ANNOUNCE THAT

**MRS. INGA RICHARDSON**

And

**MRS. FELECIA (Gi-Gi) RICE**

FORMERLY OF DUNNAVANT'S BEAUTY SHOP

Are Associated With Us — And Invite Their  
 Many Friends And Customers To Call Them  
 At...

**534-4551**

**Quick's Beauty Salon**

117 GREENE STREET, S.E.

DOWNTOWN HUNTSVILLE

### 3 Non-Credit Courses Offered by University

The University of Alabama Huntsville Center is offering three non-credit courses, two of them taught by employes of the Army Missile Command, the University officials announced last week.

Larry D. Holland, an electronic engineer at the Electromagnetic Lab of the Directorate for Research and Development, will instruct a Digital Computer Fundamentals course, beginning Oct. 2.

Deadline for registering is Sept. 26. Business, scientific and industrial aspects of typical electronic computer circuitry, numbering systems, design and introduction to Boolean algebra and basic functions performed by each section of computing machines will be covered. Knowledge of basic electronics and fundamental algebra

are useful to students of this course. Classes will meet Tuesday and Thursday evenings from 5:30 to 7:55 p.m.

Government Defense Contracting will be taught by Douglas L. King, Deputy General Counsel, Ballistic Missile Division. It will begin at the same time as the digital computer course and will be held at the same hours on the same days.

This series covers the procedures for procurement of supplies and services from determination of requirement until fulfillment. It includes selection of contractors, methods of contracting, types of contracts, contract provisions and administration, and completion of contracts. Particular attention will be given to changes effected by the recent Army reorganization, and to changing concepts as to types of contracts.

The third course is in Invest-



"THANKS FOR YOUR HELP"—Lt. Col. William J. Nelson (left) is shown presenting a plaque to Brig. Gen. George E. Pickett last week. The presentation was made on behalf of Nike Zeus Project Office personnel in recognition of General Pickett's many efforts during his tour of duty at the Missile Command in connection with the Zeus Program. The General, a Signal Corps officer, assisted materially in setting up communications between the Zeus Project Management Office at Redstone, various contractor plants and test sites, especially the test facility on Kwajalein Island in the mid Pacific. (U. S. Army Photo)

He wrote the first edition of his book while he was an instructor at the Infantry School at Fort Benning, Ga., in 1958. The second edition was published in 1959. His book made the recommended military reading list of the Army Chief of Staff, General Maxwell Taylor, in 1958.

Maj. Worley was born in Decatur. He graduated from the Decatur High School, received a BS degree from the University of Georgia, attended Los Angeles City College and the University of Tennessee. He has done graduate work at the University of Alabama.

His military decorations include the bronze star, commendation ribbon with oak leaf cluster, the humane action ribbon, the Korean presidential unit citation, and other service ribbons for service in Europe and the Far East.



WILL YOUR FAMILY OWN OR RENT!  
It's A Good Policy to See  
**JESSE ANDERSON**  
General Agent  
Provident Life and  
Accident Insurance Co.  
PHONE 534-7651

### STRIDE RITE SHOES For Children

Straight Last — Thomas Heels — Plain Shoes

Also

"SPARKLE TOES" By Alexis

### The Junior Booterie

120 Southside Square — Downtown Huntsville  
Phone 539-1112 — Open Thursdays til 8 p.m

### Maj. Worley Named Laboratory Chief

Maj. Marvin L. Worley, Jr., has been named Chief of the Engineering Division, Directorate for Procurement and Production, Army Missile Command.

Major Worley served as Deputy to the Assistant Chief of Staff, In-

dustrial Operations, AOMC, before the recent reorganization.

His assignment before arriving at Redstone Arsenal in August, 1960, was as Battalion Commander of the 72nd Ordnance Battalion in Verdun, France. Major Worley's other significant assignments include participation in the Berlin Blockade in 1948 and as Headquarters Commandant of the United Nations Peace Conference Camp in Panmunjom, Korea in 1952.

He is the author of "New Developments in Army Weapons, Tactics, Organization and Equipment."

ments and will begin Oct. 2 under Ross Hefner, Huntsville representative of Courts and Company. He will discuss such topics as "Types of Securities—Risks and Rewards," "The Why of Investment," "Objectives of an Investment Program," etc.

Special application forms for these courses may be obtained at the Registrar's Office at the University Center.

# LOANS

\$325 TO \$1500

To Consolidate Bills — To Repair House  
For Other Purposes

PHONE 536-9675

For Your Money TODAY!

**G.F.C. CREDIT CORP.**

218 Holmes Ave., N.E. Times Bldg.

### THE JEWEL SHOP

"The Home of Diamond Values"



FOR ALL OCCASIONS!

EXPERT WATCH AND JEWELRY REPAIR

We Invite Your Account  
Lyric Theatre Bldg.  
Huntsville, Ala.



In CLOTHES NEATLY CLEANED AND PRESSED BY —

## NU-KLEEN CLEANERS

You Can't Beat This For Quality Work and Quick Service!

— DRY CLEANING —

In by 1:00 p.m.	In by 10. a.m.
Out by 4:00 p.m.	Out by 1:00 p.m.
<b>5 Days a Week</b>	<b>Saturdays</b>

**3** LOCATIONS TO SERVE YOU.  
301 Jordan Lane  
Pearsall Shopping Center  
Five Points Shopping Center—Across from Star Market

WHEN YOU SHOP AT MASON'S



Furniture Ideas For the Most Discriminating Can Be Found Here.

**MASON Furniture Co.**

115 Clinton Ave., East — Phone 534-3541  
"DOWNTOWN SINCE 1908"



DON'T LET YOUR APPEARANCE

## FALL

THIS TIME OF YEAR

LET OUR EXPERTS SHOW YOU HOW LOVELY YOU CAN LOOK !!!

PHONE 539-1845 OR 536-8841 FOR YOUR APPOINTMENT

### NITA'S BEAUTY SALON

Heart of Huntsville Shopping Mall  
Open 8 A.M. to 9 P.M.

### NITA & DAVE'S SALON OF BEAUTY

Corner Holmes & Jordan Lane  
Preston Bldg.  
Plenty Free Parking

## New Twist Given Hatfield-McCoy Legend at Arsenal

Here's a new twist to the legend of the famous feud between the Hatfields and the McCoys.

It's not really a feud and it's not about those happy mountain boys.

It's a point of pride with the Information Office at the Army Missile Command, Redstone Arsenal. Personnel there don't like to file away a case without providing the service requested.

A few days ago the office received a letter from St. Petersburg, Fla. Addressed: Information Department, Redstone Arsenal, Huntsville, Ala.

Since there are several government agencies and a number of private contractors located on Redstone Arsenal, the letter could have gone to a number of offices which altogether serve approximately 25,000 persons.

It read: "Would it be possible for you to locate Ed Hatfield who works in electronics (that didn't help much since electronics is as common as cornbread at this missile development center) at your company and give him the inclosed message? Because Mr. Hatfield and a friend were so helpful to us, we would like to express our gratitude.

"Please see that the inclosed note reaches him."

Personnel at the Information Office in the Army Missile Command have checked all the Hatfields in the Huntsville Directory and all Redstone Arsenal directories. They've run down Hatfields with "E's" in their initials from here to there, and still no Ed.

So, Mr. Ed Hatfield, you have a letter safely tucked away for you in the Information Office of the Army Missile Command at Redstone Arsenal, Ala., if you want to claim it.

## How's Your Know-How?

1. How old is the U. S. Mint?
2. Where is the Hall of Fame of Great Americans?
3. Of what country is Romansh an official language?
4. Is a dog's normal body temperature about the same as man's?
5. What is the heaviest liquid?

### (Answers to Quiz)

1. It was established in Philadelphia in 1792.
2. In New York University in New York City.
3. Switzerland.
4. No, it is 101 degrees or more.
5. Mercury.

## Adams Names Committee Chairmen

Incoming president of the Huntsville Chapter, Society for Personnel Administration, Luther F. Adams, announced committee chairmen for his term of office.

Adams is Chief of the Civilian Personnel Position and Pay Management Division, Army Missile Support Command.

William F. Breen, Personnel Manager, Brown Engineering Company, will serve as Programs Committee Chairman. Bill Vassell, Marshall Space Flight Center, and Walter Wiesman, Army Missile Support Command, Personnel Officers, were named as Co-Chairmen of the Membership Committee.

Appointed Sgt.-at-Arms was Don Glen, Personnel Manager, GENES-

CO. John S. Hinkle, Chief of the Civilian Personnel Training and Development Division, AMSC, was designated Public Relations and Publicity Chairman.

In addition to Adams, other officers of the Society, Huntsville Chapter, are: Robert F. Townley,

AMSLC, vice president; Katy Lyle, MSFC, secretary; and Roy Hollan, General Manager, RSA Federal Credit Union, treasurer.

The initial meeting for the coming season will be Tuesday, Sept. 18, at the Redstone Arsenal Officers' Club.

## RENT A PIANO! \$15.00 Per Month



START YOUR CHILD ON PIANO THIS FALL — Use our Rental Plan. Rent a famous Baldwin Acrosonic or Howard Piano — and if you buy, all rental paid goes toward the LOW SALE PRICE. Mail this coupon today for details on our Rental Plan and FREE informative booklet "Questions and Answers about Your Child and Music."

I would like, without obligation:

- Questions and Answers Booklet
- Folder of Baldwin Piano Styles
- Details on your Rental Plan

Name .....  
Address .....  
City ..... Phone .....

### TRAYLOR MUSIC COMPANY

10 Traylor Island — Huntsville, Alabama

## DO YOU HAVE RUBBER STAMP TROUBLE? —IF SO—

TRY US...  
48 HOUR SERVICE!



WE SPECIALIZE IN PLEASING YOU.

### ANDAN CO., INC.

22 PARKWAY CITY—PHONE 536-4781

# JUST IMAGINE BUYING... A Brand New 1962 Rambler

FOR THE BELOW PRICES....  
SELECTIONS ARE STILL GOOD !!!

Hurry To Be Sure Of Getting Your Color Choice.



1962 Rambler Classic - 6 Deluxe 2 Door

### New Deluxe Regular Size RAMBLER

Delivered for

**\$1975<sup>00</sup>**

Plus Ala. State & City Tax

Includes heater, defroster, foam front seat, self adjusting brakes, oil filter, life-time guarantee muffler and tail pipe plus many other features Rambler has to offer.

### New '62 RAMBLER AMERICAN 2-Dr.

Delivered for

**\$1775<sup>00</sup>**

Plus Tax

Includes all Standard Rambler Features.

Economy + America's Finest



New '62 Rambler American Deluxe 2-Dr.

# USED CARS BILL PENNEY

We Are Selling Our Select Rambler Trade-ins at Wholesale Prices... New or Used... Now is the Time to Buy!!!

A CALL TO 534-4514 Will Get A Real Fine Rambler Deal

## Rambler

"Trade With Penney And Save Dollars" Friendly RAMBLER - METROPOLITAN Dealer 529 Meridian St., North (Auto Row) PHONE 534-4514 FOR A DEMONSTRATION

PHONE 534-4514 FOR ONE OF THESE SALESMEN: Bill Penney, Jack Stacey, Ben Ray, Dewey Jones, Randall Robinson, A. H. Mann, and Forrest Edwards.

## MONEY

For HOME LOANS FARM LOANS

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

Also All Types of Insurance

## GATES

Insurance Agency

303 Terry-Hutchens Bldg.

OFFICE PHONE: 534-0371

HOME PHONE: 534-6308

## LYRIC THEATRE

"Huntsville's Finest"

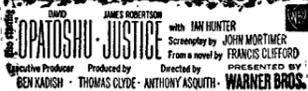
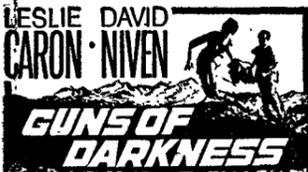
STARTS WEDNESDAY

### "Merrill's Marauders"

Starring—

- Jeff Chandler
- Try Hardin

STARTS SUNDAY



SEPT. 12-14

ALL NEW! ALL MAGNIFICENT!



Technicolor • Dyaliscope • Seven Arts Presentation • From Warner Bros.

## People at Work



**EXAMINES FINGERPRINT OF ELEMENTS**—Bill Greene, chemical engineer in the Chemical Laboratory of the Engineering Laboratories, Directorate of Procurement and Production, reads test data from a spectrometer. Every element has a special fingerprint and the chemists are able to pinpoint the substance of missile components from the data the spectrometer records.

### Bill Greene Is Sleuth, Seeks Missile Composition

Elementally a sleuth, Bill Greene, chemical engineer of the Chemical Laboratory in the Engineering Laboratories of the Directorate of Procurement and Production thrives on diversification.

A native New Yorker educated in Alabama, Greene studied at Howard College and obtained his degree in chemistry from the University of Alabama.

He taught school in Marion, Ala., at the Marion Military Institute and has dabbled in such things as photography, hydroplonics, and semantics.

The last led him into one of his major off-duty interests: the Toastmasters Club.

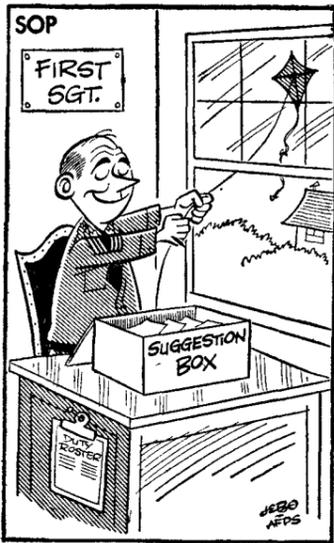
However, he also works with the Rocket City Astronomical Association, the Huntsville Photographic Association, the American Rocket Society and occasionally joins the local Society for the Preservation and Encouragement of Barbershop Quartet Singing in America.

On the job, Greene works with test tubes and spectrometers. These determine the materials that compose missile parts. Since every substance can be spectrally fingerprinted, unknown substances are identified by their spectrum.

The sleuthing into the elemental composition of missile components and fuels is one of the many functions accomplished in the Engineering Laboratories as a double check on the reliability of a manufacturer's product before it is handed to Army missilemen.

Greene has been working in the field since the early days of the Corporal and has attended a number of schools, to keep abreast of missile advances including The Ordnance Guided Missile School here, Department of the Army Basic Concepts of Reliability classes, classes on the Corporal missile conducted at the Jet Propulsion Laboratories, a class in metal inspection training, and others.

Greene is married to the former Miss Mildred Suzanne Bennett of Birmingham whom he met while attending Howard College. The couple has two daughters, Gayla 11, and Sarah, 7 and a son, Frank, 9. They reside at 906 Linwood



Drive Northwest in Huntsville.

## REPRESENTING NEW YORK LIFE



G. W. (George) EILERS  
M/Sgt., Ret.



W. H. (Bill) CLISSON  
Lt. Col., Ret.

Res. 534-6220 — Bus. 536-6301 — Res. 539-3256  
250 Governors Drive, SE — Huntsville, Ala.



... "But Boss—I did mark Everything **BELOW COST!**"

# ...RIDICULOUS -ISN'T IT?

Certainly! and when you see such outrageous claims, remember—no one is in business to lose his shirt!

If You Can Add 2 Plus 2 You Know That Profits Are Essential To Business. You Will Also Know That No Retail Establishment Can Possibly Prosper By Continually Marking Merchandise Below Cost! Why Shop Where Claims Of Savings Are Obviously False! Come In To HALE BROTHERS For Real Bona Fide Values!

—NO WONDER MORE PEOPLE ARE BUYING MORE AT HALE BROTHERS — WHERE YOU GET SO MUCH MORE FOR EVERY DOLLAR SPENT!

## HALE BROS. FURNITURE CO.

106 South Jefferson Street  
DOWNTOWN HUNTSVILLE

# S.M.

**GREEN STAMPS**

Cash and Carry Only!

## CORUM'S

Shirt Laundry

and

Finer Cleaning

South Memorial Parkway



**Your Cancelled Check is Positive Proof of Payment!**

There's never any question about whether or not you have paid a bill, when you pay it by check! Your cancelled check is the best receipt in the world. It's always easier and safer to pay by check.

## FIRST NATIONAL BANK OF HUNTSVILLE

THREE LOCATIONS TO SERVE YOU:  
South Memorial Parkway Branch  
W. Side Square — Madison Street Branch



**RECOVERING EMPLOYEE COMMENDED**—Charles J. Rinker, program specialist, receives an award for outstanding performance from Col. Raymond W. Burkett, Director of Research and Development. Rinker transferred from the Directorate of Research and Development to the Engineer Division of the Army Missile Command last April, and suffered a paralytic stroke early in May. He recently started walking again with the use of a cane, and hopes to return to work in less than a month.

**Troop Information Piped Over Closed Circuit Television**

The Ordnance Guided Missile School last Friday, Aug. 13, began using its closed circuit television facilities to implement the Army's Troop Information program.

Monitors placed throughout the school area carried a brief program on Labor Day highway safe-

ty and other topics of general interest during the 10-minute morning break in classes at 9:15.

FFC Jerry MacClanagehan of the TV Branch served as commentator.

The series will be seen at the same hour every Monday, Wednesday and Friday during the OGM's academic year.

Special Troop Topics will occasionally be telecast for one-hour periods to conform with mandatory CONARC and Third Army training directives.

**SUMMER'S COOLEST**

— IS —

**FEDDERS**

**AIR CONDITIONERS**

We Have All Sizes

**AUTHORIZED SALES & SERVICE**

— Call Or Come By —

**HUNTSVILLE**

**ROOFING COMPANY**

2511 Triana Blvd., S.W. Phone 534-7366

**GOING ON A TRIP?**

**AUTO — PLANE — BOAT**

ANYWAY YOU TRAVEL

**TRIP INSURANCE**

Is Easy To Purchase (Just Call Us) Economical \$10,000 Death - \$1,000.00 Medical - Plus Other Benefits

**10 DAYS FOR \$4.15**

\$25,000 Plus \$2500 Medical Plus Other Benefits .. **\$5.95**

CALL — WE CAN COVER YOU IMMEDIATELY

**C. J. WAITE INSURANCE**

518 Madison St. — Dial 536-9641

ENJOY "OK" USED CAR SAVINGS  
B-U-Y W-I-T-H  
WARRANTED CONFIDENCE  
**HILL CHEVROLET CO.**

**AT AUCTION**

**SATURDAY, SEPTEMBER 15TH — 10:30 A. M.**

**20 . . . 100x200 FT. COMMERCIAL LOTS**

**ON SOUTH MEMORIAL PARKWAY  
SIGN ON THE PROPERTY**

**TERMS:**

**CASH OR AS LOW AS 15% DOWN**

**Balance Financed Up to 5 Years, Monthly Payments at 6% Interest**

This property is ideal for an Office Building, Drive-in Restaurant, Service Station, Super Market, Furniture Store and most any other type business.

**FREE!**

**BAR-B-QUE AND COLD DRINKS**

For Everyone Attending This Auction Sale.

**HUNTSVILLE IS MOVING SOUTH!**

Join the Move Now for a Greater Huntsville

**FREE!**

**PRIZES ALSO WILL BE GIVEN AWAY TO MANY LUCKY PEOPLE ATTENDING**

FOR ADDITIONAL INFORMATION CALL —

**ARTHUR COLE AUCTION CO.**

(R. P. "BOB" KELLER, AUCTIONEER AND BROKER)

Offices . . . 911 Madison Street — Phone 539-0626

**HUNTSVILLE, ALABAMA**

100,000 dreams that came true [with HFC cash] yours can, too!

OVER 100,000 SERVICEMEN have already filled their money needs at our 1200 handy Household Finance offices. Found near most military bases, HFC offices are staffed with specialists who understand a serviceman's kind of problems. So, whenever some extra cash can make an important wish come true, look for the HFC sign. It stands for fair, helpful money service from the company servicemen know best.

Ask about Life and Disability insurance on loans at group rate

Cash You Get ↓	MONTHLY PAYMENT PLANS		
	30 months	24 months	12 months
\$500		\$24.73	\$46.81
700		34.30	64.92
1000	\$40.05	48.76	92.30
1500	59.80	72.80	137.80
2000	78.96	96.13	181.96

Payments above include principal and loan charges if repaid according to schedule, but do not include life and disability insurance, available at group rates.

**HFC HOUSEHOLD FINANCE**  
Company of Alabama

HUNTSVILLE OFFICE

706 Heart of Huntsville Shopping Ctr

PHONE: 539-4496

Hours: Mon., Tues., Wed., Fri. 9:30 to 5:30—Thurs. 11 to 8 P.M.

Loans made to residents within a 100 mile radius

# Missile Command Accident Rate Below Army Average

Accident and injury experience rates of the Army Missile Command are 65 per cent lower than the Department of Army rates in the Continental United States. The percentage is even better compared to the Army rates world wide.

Col. Thomas W. Cooke, Commander, Army Missile Support Command, said the past week that he had reviewed the comparison and was highly satisfied with the results.

The statistical comparison as drawn up by Col. Cooke's office is as follows:

	World Wide	Army Conus	Missile Command	Below Conus Avg.
Military Injury	4.9	4.5	2.5	45%
Civilian Injury	2.0	2.0	0.7	65%
Other Personnel Injury (Contractor)	3.2	2.4	1.3	46%
Army Motor Vehicle	0.8	0.5	0.2	60%
Army Aircraft Accident	24.6	22.4	19.0	15%

Col. Cook pointed out that statistics sometimes lack color and are often misunderstood, but "when these rates are translated to lost lives, disabling injuries, human misery and loss of property, their meaning becomes readily understandable."

"Our below the army average rates reflect most favorably on the accident prevention effort of the Missile Command," Col. Cooke said, "and all personnel who contributed to this achievement through the exercise of safe conduct are highly commended."

"We are now starting into a new fiscal year wherein an even greater reduction in preventable accidents can be made. Our past safety record presents a challenge and safety like any other challenge can be met and won through personal dedication and team effort directed toward creating and maintaining constant safety awareness."

"Thanks again for a fine safety performance. Let us each resolve now to conclude Fiscal Year 1963 with the most outstanding safety record the Missile Command has ever experienced," Col. Cooke said.

## 2 Make E-8

Two sergeants at the Army Missile Command were promoted to super grade E-8 Master Sergeant recently.

They are M/Sgt. James C. Hendrix, a personnel management supervisor in the Military Personnel Division and M/Sgt. William B. Adams of the Finance and Accounting Office of the Army Missile Support Command with duty at Missile Command Headquarters.

Prior to his assignment at the Missile Command here, M/Sgt. Hendrix worked as chief clerk at the Missile Firing Laboratory, as a member of the Army Ballistic Missile Agency's permanent staff at Cape Canaveral, Fla.

Mrs. Hendrix was present for the ceremony. Husband and wife are natives of Cullman, Ala. He is the son of Mr. and Mrs. Albert G. Hendrix, 1008 5th Street West; Mrs. Hendrix is the daughter of Mr. and Mrs. E. L. Easterwood, Route 10.

M/Sgt. Hendrix received the Bronze Star Medal for service in Korea in 1951, and an Army Commendation Medal during a second tour in Korea in 1954.

He was also awarded a Certificate of Achievement for his work at the Missile Firing Laboratory. The Hendrix family includes three sons, Donald, 6; Phillip, 4; and Jeffrey, 2.

M/Sgt. Hendrix entered the Army in July, 1959, after graduation from West Point High School at Cullman.

A veteran of nearly 21 years service, Sgt. Adams entered the Army in 1941 and served the In-

fantry until 1945. He saw action at Pearl Harbor, Guadalcanal, and New Georgia in the Solomon Islands. In 1946 Sgt. Adams served in the Recruiting Office at Lexington, Kentucky. In 1947 he transferred to the Finance Corps of the U. S. Army and was stationed at Fort Lewis, Washington, for nearly two years.

Prior to coming to Redstone Arsenal, Alabama, in 1960, Sgt. Adams served in the Finance Corps at various Army installations in the United States. His overseas tours include: Korea, 1953-1954 and the Panama Canal Zone 1957-1959. Among the service decorations awarded Sgt. Adams are the Bronze Star Medal for action at Guadalcanal and the Commendation Ribbon with Metal Pendant. Sgt. Adams and Mrs. Adams, together with their two sons, William B., age 10 and John T., age 7, reside at 4215 Cloverdale Drive, N. W., Huntsville, Alabama. Sgt. Adams is a native of Hart, Mich., and Mrs. Adams is the former Shirley E. Johnson of Pentwater, Mich.

- DESIGNED TO DELIGHT!
- BUILT TO ENDURE!
- PRICED TO PLEASE!

## KATHERINE ACRES

2ND ADDITION

Your choice of beautiful hillside lots near Davis Hills School and neighborhood stores.

**Price: \$15,000-\$18,400**

Features You Won't Believe Until You See Them!

— Directions —

Drive north on Pulaski Pike past water tank and look for Katherine Acres sign on left.

**HUNTER & MITCHELL**  
REALTORS PHONE 539-1759

## HAVE YOU OUT GROWN YOUR HOME?

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

## LAKEWOOD

**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: Days 536-1554 - Nights 536-1659

## LAKEWOOD REALTY, INC.

3611 Memorial Parkway, North

Home Buyers Tell Us They

**SAVE \$3000**

In First Cost And At Least \$400 In Closing Cost By Buying In Perfectly Located

## SHERWOOD PARK

100% GI Loans On Fine 4 Bedroom And Den Air Conditioned Homes. Small FHA Down Payments.

## DRIVE OUT

To 6200 — Madison Pike (Bob Wallace Ext.) (Just Outside Gate 9) And See For Yourself Or Phone 539-8481

IN THIS AD YOU WILL FIND ...

The Price ... The Location You Have Been Looking For!

— in —

## LILY FLAGG ACRES

11th ADDITION

- COLONIAL ● RANCH ● SPLIT LEVEL ● TWO-STORY

PRICES START AT \$16,750

DIRECTIONS: Turn off South Parkway onto Weatherly Road, go to Strong Drive and turn right ... homes now under construction.

— or —

## EASTBROOK MEADOWS

- COLONIALS, RANCHES, SPLIT-LEVELS
- 3 Bedrooms ● 2 or 2½ Baths ● Garage or Carport
- Paneled Den (Built-in Kitchens Are Optional)

100% VA Loans

MINIMUM DOWN FHA — \$150 CLOSING COST Payments as low as \$70.00 PER MONTH Incl. Taxes & Ins. DIRECTIONS: Drive North on Memorial Parkway, Turn Right on Highway 72, East (At Albert Pick Motel). You'll See EASTBROOK On The Right.

## "PINECREST"

A New Neighborhood, Located Adjacent To The New RIDGECREST ELEMENTARY SCHOOL.

**SECOND ADDITION NOW OPEN!**

Choose Your Lot and Plan Now!

- SPLIT LEVELS—3 bedrooms, 2½ baths.
- COLONIALS—3 bedrooms plus den & 2 baths.
- RANCHERS—3 bedrooms, den and 2 baths.

100% VA - Minimum Down FHA \$150 CLOSING COST

Just Two Blocks From The Arsenal Entrance on Patton Road! DIRECTIONS: Turn off Patton Road onto Ridgecrest and look for signs.

## ENSOR & DUNN

REAL ESTATE — PHONE 881-0152



Enjoy  
**Budweiser**  
tonight!

KING OF BEERS  
ANHEUSER-BUSCH, INC. • ST. LOUIS • NEWARK • LOS ANGELES

Distributed By

## TURNER BEVERAGE CO.

Huntsville, Alabama

# IT'S ALL IN THE WANT ADS

WANT AD RATES -- \$1.50 minimum, per weekly insertion, covering first 25 words. 4 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. Zula Health, P. O. Box 346, Room 217 Times Bldg., Huntsville. Deadline is Monday, 9 a. m., for the week's edition.

Page 14 The Redstone Rocket — Sept. 5, 1962

**1957 BUICK Special 2 door hardtop, power steering and brakes, radio, heater, white tires. Gulf blue and white. See it at Universal Motors Used Car Dept. Phone 539-7456. 1tc**

**FOR SALE — Three (3) bedroom home, forced air heat, near Guntersville Lake, large wooded lot, price \$17,500.00. Call Ross L. Cornelius, Guntersville 582-3067. 9-18c**

**1959 VOLKSWAGEN Station Wagon. The standard model 10 passenger. A carpool dream. Everyone has plenty of room. \$1295. at Universal Motors Used Car Dept. Phone 539-7456. 1tc**

**FOR SALE — 1962 Thunderbird 2 door hardtop, two-tone, fieldstone tan and white finish, power steering, brakes, windows and drivers seat. Cruise-Matic transmission, radio, heater, windshield washers, side mirror, fender skirts, w.w. tires, moveable steering column, tinted windshield, less than 6,000 actual miles, local 1 owner, new car appearance and performance. Must be seen to appreciate, priced at less than dealers cost. 507 Robin Hood Lane, Sherwood Park, Huntsville. 9-11c**

**1962 RAMBLER AMERICAN, 6 cyl., S. S., station wagon, 4 dr., 6,000 actual miles. \$2195.00. Call Universal Motors Used Car Dept. Phone 539-7456. 1tc**

**FOR SALE — Three (3) bedroom, (2) ceramic baths, brick veneer, complete heat and air conditioning, double carport, large wooded lot near Guntersville Lake. Call Guntersville 582-3027, Ross L. Cornelius. 9-18c**

**1957 OLDS — 4 dr. Super 88, power steering and brakes, air conditioned. \$895. Call Universal Motors, Inc., Used Car Dept. Phone 539-7456. 1tc**

## Fishing Equipment

- Hip Boots
- Sleeping Bags
- Folding Cots
- Carbide Lamps and Carbide

## ARMY - NAVY SURPLUS CO.

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

**VOICE INSTRUCTOR — Mme. Hedy Fiory, European opera singer, phone 534-3466. tfc**

**1956 GMC PICKUP TRUCK. \$595. Call Universal Motors, Inc., Used Car Dept. Phone 539-7456. 1tc**

**FIT, FASHION and fine savings at BUSANN'S, downtown Huntsville. Truly your family shoe store. tfc**

**1951 CHEVY — S. S. Sport Coupe, white tires, radio & heater, a real nice one. Only \$295.00 at Universal Motors, Inc. Used Car Dept. Phone 539-7456. 1tc**

**FOR SALE — Tiny toy Poodle puppies, AKC registered, all colors, priced to sell. Watch for sign on Highway 72 West, between Huntsville and Athens or call 232-5463 Athens. Willa Bledsoe. 9-5c**

**1957 FORD 2 dr. Fairlane "500". Yellow and white. Mechanically perfect. You must drive it to appreciate it. \$895.00. Universal Motors Used Car Dept. 539-7456. 1tc**

**CABIN SITES FOR LEASE OR SALE ON LAKE GUNTERSVILLE — Water, sewerage, lights available. Phone 534-1451. 9-26c**

**WANTED TO BUY clean used cars "We can use yours." Call us Robinson Auto Sales. 810 Madison St. Phone 539-8551. tffc**

**FOR THE FINEST IN — Smoking Supplies Visit The**

## Humidor Pipe Shop

At Pearsall Shopping Center  
On North Memorial Parkway  
OPEN: 1 p.m. to 9 p.m. Mon.  
thru Friday  
9 a.m. to 9 p.m. Sat.  
PHONE 539-6431

## 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

**1961 VOLKSWAGEN 2 dr. Sedan, 24,000 miles, white tires, leatherette interior, heater. Looks and drives and is almost new. A beautiful solid black at Universal Motors Used Car Dept. 539-7456. 1tc**

**GUNTERSVILLE LAKE WATERFRONT LOTS FOR SALE — Lakefront business property for lease. W&W Land Co., 106 N. Lincoln, phone 534-1451 or 536-3113. tfc**

**1962 KARMANN GHIA convertible 3600 miles. This car is a beautiful Pacific blue and has all extras. See it at Universal Motors Used Car Dept. 539-7456. 1tc**

**FOR SALE BY OWNER — 3 bedroom brick and drop siding home in Hartselle. Two baths, double carport, chain link fence encloses back; storm windows, termite treated. On 104x175 ft. all-shady lot in beautiful Tanner Heights, Hartselle. Call SP 3-7491. tfc**

**FIREBALL 1962 SUPER PORSCHE Cpe. Demonstrator. A vivid red with chrome wheels. (The real stuff). Black leatherette interior. Must be seen to be appreciated. Universal Motors Used Car Dept. 539-7456. 1tc**

**ANNOUNCING — Mrs. Lay's Kindergarten, 2310 Gallatin St., registration Aug. 31, from 9 to 12. Opening date Sept. 4th, director Mrs. Robt. Lay, phone 536-1241. 9-5c**

## POST LIABILITY \$10 PER YEAR

Military - Any Age or Rank - Terms  
**Branner Insurance Agency**  
527 Madison Street  
Open 'til 8 p.m.  
Pho. 534-0146

## Private Investigations

- CIVIL
- DOMESTIC
- CRIMINAL
- COMMERCIAL

Confidential Complete Reports  
All Type Equipment  
MALE & FEMALE AGENTS  
PHONE 534-6233  
P. O. Box 1441

## 1958 Volkswagen

### Station Wagon

- NEW ENGINE
  - NEW TRANSMISSION
  - NEW TIRES
  - GOOD APPEARANCE
- DESPERATE TO SELL!

**\$650.00**

Call . . .

at

1tc

**BO WATWOOD**  
539-7456

## FREE LANCE INDUSTRIAL PHOTOGRAPHIC SERVICES

- COLOR
- BLACK & WHITE

## Cedric Heath

PHONE  
539-8562  
HUNTSVILLE

**WANTED TO BUY — Clean local cars, especially small imported cars. All makes & models. Call Bo Watwood, Universal Motors, Inc., 539-7456. tfc**

**1957 CHEVY 2 door, 150 series, 6 cyl., radio, heater and white walls. Light blue. \$695.00. At Universal Motors Used Car Dept. 539-7456. 1tc**

**VOLKSWAGEN 1960, with sunroof, blue, good condition, for sale. Call 536-7555. 9-5p**

**1962 VOLKSWAGEN pickup truck. Used only as a demonstrator. Has canvas tarpaulin, radio, West Coast mirrors. Only driven a few miles. Save \$\$\$ at Universal Motors, Inc. Used Car Dept. Phone 539-7456. 1tc**

**HEADQUARTERS for Foreign Cars, Convertible Tops and Complete interior upholstery at The Auto Center, 2208 Clinton Ave., W., Huntsville, Ala. Phone 539-0382. tfc**

**ATTENTION HOUSEHOLDERS — Quality furniture upholstery, free estimates. Pick up & Delivery from the Auto Center, 2208 Clinton Ave., phone 539-0382. tfc**

## VOLVO Magnusson Motors

Athens, Alabama  
Your Huntsville Sales Representative  
Phone 877-5972

## PORSCHE

Authorized Sales & Service  
**UNIVERSAL MOTORS, INC.**  
"Your Volkswagen Dealer"  
2305 No. Parkway  
PHONE 539-7456 tfc

## LOCAL AND LONG DISTANCE MOVING and STORAGE

**LEE TRANSFER & STORAGE COMPANY**  
Agents For  
**Whitney Transfer Company**  
PHONE: 534-7411 Days  
536-3630 Nights

**FOR SALE — Nice three (3) bedroom home in Arab, Alabama, good location, owner being transferred, will sell equity. Contact Ress L. Cornelius, Guntersville, 582-3027. 9-18c**

**YOU CAN'T BUY ANOTHER 1956 MERCEDES BENZ limousine like this one with auto. trans. 300 series A.M.-F.M. radio, front and rear speakers. A real classic. Universal Motors Used Car Dept. 539-7456. 1tc**

**CLEARANCE SALE on trade-in sewing machines. 30 models to choose from, \$19.95 up. No reasonable offer refused. Must make room for 1963 models. City Sewing Center, 1004-A Meridian St., or call 539-4465 for appointment. 9-4c**

## Governor's Drive Barber Shop

2901 Governors Drive  
Between Butler High and Parkway  
**Regular Haircuts .... \$1.00**  
**Flattops, thru age 13 \$1.00**  
Open 8 to 8 . . . 6 Days a Week  
Your Patronage Appreciated

## OVERSEAS and STATESIDE INSURANCE

INTERNATIONAL SERVICE INSURANCE CO.  
Fort Worth, Texas  
V. F. CARTER  
2905 Bayless Dr., Huntsville  
Phone 539-2356



Reconditioned and Guaranteed Used Volkswagen Sedans, Station Wagons, Panels and Pickups. Also we will buy your used foreign car.

— TRY US FIRST —

## UNIVERSAL MOTORS, INC.

2305 No. Parkway  
PHONE 539-7456 tfc

## 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.

FOR COLORED PEOPLE . . . VA FINANCED IN EDMONTON HEIGHTS

**C. F. STINNETT REAL ESTATE BROKER**  
2501 MERIDIAN ST. PHONE 536-9901

## FOR RENT OR SALE

Furniture, Appliances, and Household Items . . .

NEW OR USED!

— ONE PIECE OR A HOUSE FULL —  
LAYAWAY — Phone 539-4272 — TERMS

## Ray's Furniture Exchange

4850 Governors Drive, S.W.  
OPEN 9 A.M. - 6 P.M. — 6 DAYS A WEEK

## THE BEST SELECTIONS ARE FOUND DURING OUR . . . FALL SALES!

### 1962 OPEL SEDAN

Like new. Cost \$2295.00. Only  
**\$1495.00**

### 1960 FORD STA. WAGON

4 door, like new. Cost \$3600.00.  
Only— **\$1995.00**

### 1959 EDSEL

Sedan. Local 1-owner, 6 cyl.  
Good economy,  
Only— **\$1095.00**

### 1960 CADILLAC DeVille Sedan

Air condition, Extra clean local one owner.  
Cost \$6800.00. Only—  
**\$3495.00**

### 1960 Rambler

4 dr. American. 6 cyl. Reduced to . . .  
**\$995.00**

### 1962 PONTIAC BONNEVILLE

Air conditioned sedan. This is a new one. Come see it!

# TEXAS AUTO SALES

1013 Meridian St.

Phone 536-6121

APARTMENT FOR RENT — 601 Holmes Ave., N. E. Couple only, lights and water furnished, use of telephone and TV antenna if wanted. Phone 534-5763. 1tc

1959 VOLKSWAGEN SEDAN — Fully equipped, low mileage and a sharp car. Universal Motors, Inc. Used Car Dept. 539-7456. 1tc

ATTENTION CONTRACTORS and BUILDERS — 1959 International, 1 ton pick-up truck, heavy duty, A-1 mechanically throughout, \$795.00. Call Short, room 24 after 6 p.m., phone 534-9211. 1tc

WANTED — A buyer for a 1957 V.W. Sedan fully equipped. All extras. Satin black finish. Contact Universal Motors Used Car Dept. 539-7456. 1tc

FOR SALE — 18' rough water utility cruiser. White convertible top, side curtains, full back drop, 35 h.p. Johnson motor with electric starter. Used 20 hours. Alligator trailer. All for \$1900.00. Phone 539-8657. 1tc

FOR SALE — 1933 Olds., 4 door sedan, in good running condition, 5 good tires, radio & heater. Price. \$350.00. Can be seen at 601 High St., Hartselle, Ala., or phone Don Blankenship, SP 3-7704. tfc

KARMANN GHIA — 1959 Model cpe. hardtop, radio, white walls. The works! Tutone, a beauty at Universal Motors Used Car Dept. 539-7456. 1tc

ON THE LAKE, LESS THAN 20 MILES FROM ARSENAL GATE — Boat storage for rent. Rooms with bath for rent. Contact W&W Land Co., 106 N. Lincoln, Phone 534-1451 or 536-3113. tfc

MODERN HEALTH Club Services — Central YMCA, 203 South Green St. is offering massages, turkish baths, electric heat cabinets, ultra-violet and infra-red lamps, diathermy sun lamp, swimming pool. Graduate mas-suer in charge. Phone 534-2444. tfc

1958 RAMBLER — 6 cyl., S. S., white, low mileage, 5 new tires. Immaculate inside and out. A good back to school bargain. Universal Motors Used Car Dept. 539-7456. 1tc

FOR SALE — Black Labrador puppies. AKC Registered. Sired by Middle Tennessee Champion. Skippy's Midnight Star. \$50 ea. Phone S. Parkes 536-5581. Ext. 484. 1tp

SEAT COVERS \$13.50. Convertible Tops, Headliners, Carpets, and complete interior upholstery is now available at The Auto Center, 2208 Clinton Ave., W. Telephone 539-0382. tfc

1961 VOLKSWAGEN station wagon Deluxe. Red and white, bucket front seats. Fun and economy for the entire family. Universal Motors Inc. Used Car Dept. 539-7456. 1tc

NEW, SENSATIONAL — Combination Milling Machine, jig borer, lathe drill press. Guaranteed tool room accuracy at a low price, ideal for laboratory or work shop, phone 539-2022. tfc

1961 AUTO UNION AU-100 — 2-door demonstrator, 3200 miles. \$1295.00. Universal Motors Used Car Dept. 539-7456. 1tc

1957 FORD — 2 door, 6 cyl., auto. trans., green with white top, radio and heater, extra clean. \$495.00. Telephone 530-9459 after 5 p.m. 1tp

BAND INSTRUMENTS — Rental Returns. Clarinets, Cornets, Trumpets, Trombones, Saxophones, Flutes, etc. Prices range from \$29 to \$79 or higher. All instruments guaranteed. Cash or Terms. Phone 536-9933, 9 a.m. to 9 p.m. tfc

1958 VOLKSWAGEN sedan. Blue, in superb condition. This car has been through out shop and is mechanically perfect. Come drive it at Universal Motors Used Car Dept. 539-7456. 1tc

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). tfc

FOR SALE — Flat bottom aluminum fishing boat with 5 hp Evinrude Motor, set of oars, paddles, extra rivits, trailer and accessories. \$150.00. John Fike 876-4530 or 536-4244. 1tp

OLD COINS — I buy old coins—old gold coins; Indian head pennies, complete sets; Canadian coins. Darrell Sanders, Grand News Stand, Clinton Ave., downtown Huntsville. tfc

LEARN TO PLAY BRIDGE — Register now for private day and night classes. Enrollment limited. Classes start week of September 10th. For further information call 881-3615. 9-5c

FOR SALE — Used Frigidare range, good condition. New portable singer typewriter, \$49.50 machine, will sell for \$39.50. Phone 539-0489. 9-11c

**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

SWEDISH MASSAGE for ladies only. Steam cabinet. By appointment. No Wednesday or Saturdays. Mrs. Mary Fromm, trained in Denmark and Sweden. Call 536-0242 (mornings best). 1201 Lowell St., Southeast. tfc

1956 BUICK — 4 door hardtop, power steering and brakes. Blue and white. \$595.00. Universal Motors Used Car Dept. 539-7456. 1tc

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 SALE — New nice 3 bedroom house, 1½ ceramic tile baths, completely air conditioned, access loj to lake. Minimum FHA down payments, in one of Guntersville's nicest sections. Price \$16,250.00. Will build homes in Arab and Guntersville and finance up to 97% FHA and 100% G.I. Cornelius Real Estate & Insurance Co. Marshall County's leading mortgage broker. 521 N. Broad Street. Guntersville, Ala. Phone JU 2-3027. tfc

SEE OUR BACK TO SCHOOL SPECIALS — We specialize in 2nd Cars on the spot. No money down preferred. Universal Motors Inc. Used Car Dept. 539-7456. 1tc

See ACTION for fast job placement of any type for men and women. ACTION EMPLOYMENT AGENCY, 201 Uptown Bldg. Phone 534-6233. 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

If You Are Not Satisfied With the Haircuts You Are Getting . . . Try  
**Al's Barber Shop**  
3805 Governors Drive  
Regular Haircut .... \$1.00  
PHONE 534-4036 tfc

**1962 Bonneville by Pontiac**  
4 dr. Hardtop, power brakes, steering and windows, factory air condition, 12,000 miles. Beautiful light blue and ivory, matching interior. A one owner Alabama car. Must sell, will take trade.  
**PHONE 772-6226**  
After 7 p. m.

**Let's go to school**

AS NEAT AS A PIN!  
ALL CLEANING DONE BY . . . . .



**Valley Cleaners**  
PARKWAY CITY  
Open 7 a.m. to 7:30 p.m. Daily!

IT COSTS **LESS** to FURNISH YOUR HOME at

**Sterchi's**  
North Alabama's Largest Furniture Store

**FREE PARKING**

DOWNTOWN HUNTSVILLE  
Phone 534-5681

Also Sterchi Stores to Serve You at Scottsboro and Fayetteville.

**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

**WILLIAM H. BLANTON**  
Announces  
The Association Of  
**JAMES T. TATUM, JR.**  
in the General Practice of Law  
under the firm name of  
**BLANTON and TATUM**  
208-10 Struve Bldg. — Huntsville, Ala.  
PHONE 536-6501

WE ARE CELEBRATING OUR FIRST . . .

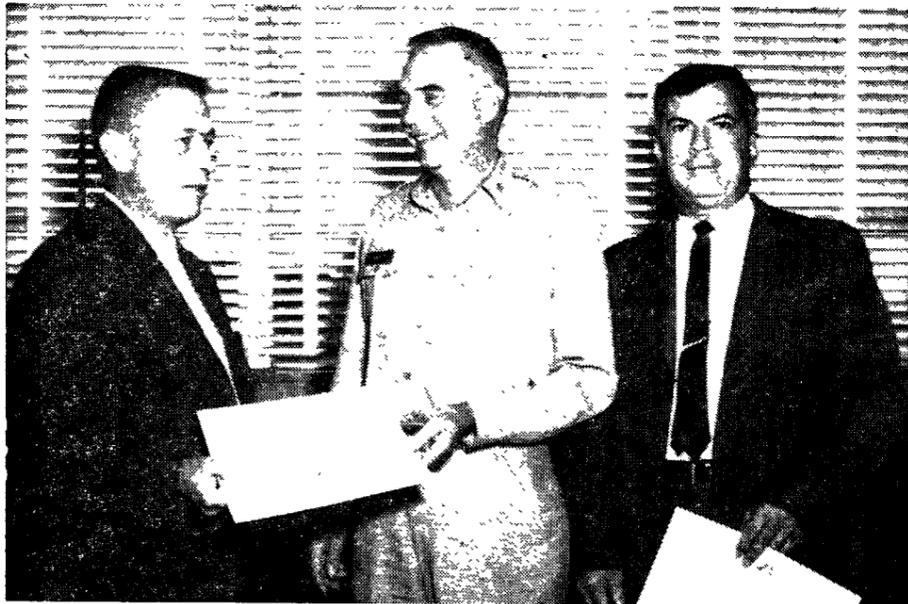
**SAVE ANNIVERSARY SAVE**

With Our Biggest SALE Ever . . .  
ALL CARS REDUCED . . . AND

**PRICED TO GO**

Example: . . . '58 Plymouth Station Wagon . . . . . \$750.00

— LOOK FOR —  
"The Little Lot With Big, Big Savings"  
**ROBINSON AUTO SALES**  
(1 Block North of Huntsville Hospital)  
810 MADISON ST. — DIAL 539-8551



**NOMINATED FOR AWARD**—Two Army Missile Command employes have been awarded a \$300 Service Award for the work they did on a power generation project and have been nominated for an additional cash award of \$700 from the Department of Army. Here, they receive commendations from Col. Raymond W. Burkett, director of Research and Development for the Missile Command. The two are Roy L. Pugh, of the Advanced Research Projects Division (left) and Daniel T. Link of the Nike Zeus Project Office.

**PROPULSION KIT**  
 A Rocket Propulsion Kit, which can breach obstacles better than the former Army standard, has been developed at the U. S. Engineer Research and Development Laboratories, Fort Belvoir, Va. The new rocket propulsion kit adds a means of self-propulsion and remote detonation to a 100-foot train of standard bangalore torpedoes for breaching a personnel path through mines and barbed wire obstacles.

# STORAGE

## ROCKET CITY MOVING AND STORAGE SERVICE

HERTZ Rent A Truck Licensee  
 Phone 539-1742 2117 Holmes Ave., N.W.

Complete packing service. Clean, safe modern storage. Expert movers. Bonded and insured warehouse. Fast, dependable service in or out. Local and long-distance moving. Ask for Free estimate.

AGENT **Allied Van Lines**  
 WORLD'S LARGEST MOVER

### Incentive Awards

**Outstanding Performance**

Paul O. Crick, Education Specialist, Cleburne O. Melton, Education Specialist, Stanley E. Kreger, Administrative Officer, Army Guided Missile School; Gayla G. Rogers, Clerk, Civilian Personnel Office; Arnis A. Stewart, Deputy Field Service Program Director, Field Service Directorate.

**Outstanding Performance**

Daisy B. Hendrix, Clerk, Army Guided Missile School.



HART-SCHAFFNER & MARX  
 VARSITY TOWN  
 BOTANY 500  
 VAN HEUSEN  
 MADISONAIRE  
 CRICKETEER  
 DOBBS

**Outfitters of  
 Huntsville's  
 "Men of Distinction"  
 — since 1914!**



Men's Store — Street Floor  
 College & Career Shop — On the Balcony

# Dunnivant's, downtown



### NITA & DAVE'S BEAUTY COLLEGE

**PRICE LIST**

- Permanents . . . \$3.50 & Up
- Hair Cuts . . . 75c and Up
- Manicure . . . \$1.00
- Touchups and Color Loving Care . . . \$2.00 Plus Shampoo & Set
- Colors . . . \$3.50 and Up Plus Shampoo & Set
- Bleaches . . . \$10.00 and Up

ALL WORK DONE BY STUDENTS

**ATTENTION!**

We Need 19 Day Students To Fill Our Classes. Give Us Your Application Now!

3215 Governors Drive  
 PHONE 539-2461