

# The Redstone Rocket

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

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REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

NOVEMBER 11, 1959

## DUAL GUIDANCE AND CONTROL IS USED IN TESTS

The Army has announced that a Jupiter intermediate range ballistic missile, launched recently from Cape Canaveral, carried two identical guidance and control systems in a unique test that verified the remarkable accuracy and reliability of the system developed by the Guidance and Control Laboratory of the Army Ballistic Missile Agency.

This is the first such test known to have been conducted by the United States. Its primary purpose, laboratory spokesmen said, was to subject the systems to a severe test under environmental conditions.

Explaining the test, officials noted that only one system actually steered the missile. The second unit served as a reference, checking the operational accuracy of the first. This information was transmitted to ground-recording stations by telemetering instruments attached to the various components of the two systems.

The operation was a complete success. Both the primary and reference systems functioned perfectly, with the missile landing squarely in the impact area.

In light of the importance of such a test, it is especially significant that the guidance and control systems employed were "off-the-shelf" production items. Neither was retested or recalibrated after its final check-out on the production line.

This highly-accurate guidance system is the same used in the successful launch and recovery of the famed monkey capsule and, more recently, to guide Explorer VII into orbit around the earth.

Employed in this guidance system is the "Delta Minimum Inertial Guidance Scheme," which, in effect, maintains the missile on its precalculated trajectory. Once the missile has left the ground, it must "think" for itself, sensing and adjusting to such environmental conditions as wind or changes in velocity.

## Three AOMC Men Spend Two Weeks At Patrick AFB

The U. S. Army Ordnance Missile Command Reserve officers from Redstone Arsenal spent 15 days on active military duty at the Atlantic Missile Range, Army Field Office, located at Patrick AFB, Fla.

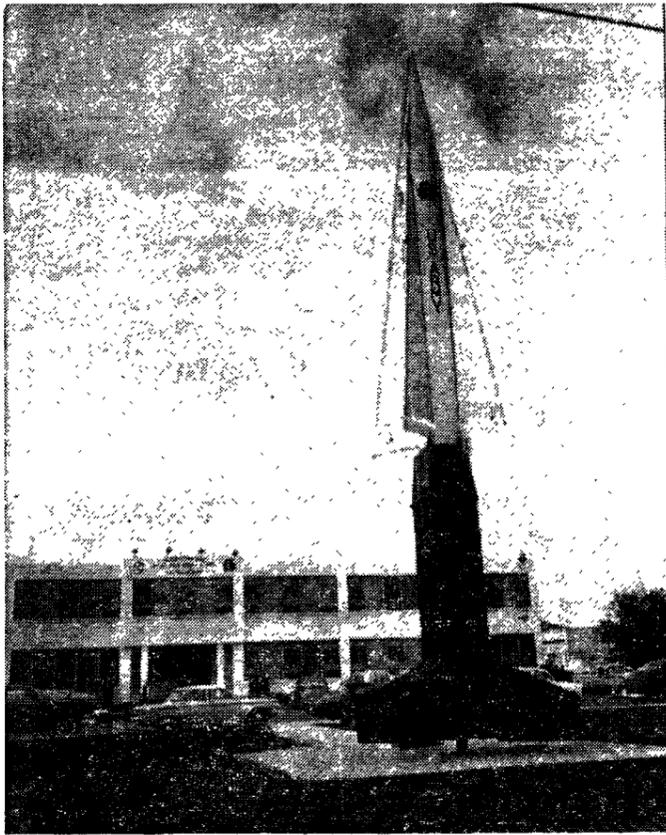
The three Reserve officers are Lt. Col. Arthur J. Hogan from the Intelligence and Security Office at AOMC, Lt. Col. Virgil B. Cagle, Facilities Branch, Post Engineer, Redstone Arsenal, and 1st Lt. Rein Ise, a project engineer in the Structures and Mechanics Laboratory, Army Ballistic Missile Agency.

Lt. Col. Hogan is Provost Marshal of the 3367th Legistical Command (USAR), Lt. Col. Cagle the deputy chief of staff in the same unit, and Lt. Ise is a member of the 3353d Research and Development Unit (Training) USAR.

Lt. Col. Hogan, a former Provost Marshal at Redstone Arsenal, was an executive officer of the Korean National Police. He (See 3 AOMC on Page 2)

### REITERATION!

Again, The Redstone Rocket staff wishes to point out to its contributors that the deadline for copy is 10 a.m. on Monday mornings. All copy sent to the AOMC Public Information Office on Friday before publication is appreciated.



**NEW LOOK-AT "MISSILE ACADEMY"** — Acquiring atmosphere as the Army's only school devoted entirely to missile training, the Ordnance Guided Missile School's headquarters at Huntsville, Ala., now displays this Nike-Hercules, second generation of the nation's first tactically ready missiles. It replaces a V-2, prized relic of World War II soon to be set up at the school's new library.

## Post Library Plans Open House Sun.

The Post Library will reopen Sunday (Nov. 15) in Bldg. 3651, the former Post Exchange building.

Open House will be held from 2 p.m. to 4 p.m. An invitation has been issued by Maj. Oscar Hufnagel and the Special Services Staff for all interested personnel at Redstone Arsenal to attend the Open House.

## General Is Asked To Remain on Job By Young Rocketeer

Among the hundreds of letters received by Maj. Gen. J. B. Medaris following the announcement of his decision to retire is one from Richmond, Va., schoolgirl who hopes he'll change his mind and stay at the helm of the Army's missile work.

Wrote 14-year-old Leslie Rice of 307 North Thompson St., Richmond:

"You are undoubtedly receiving many letters about your decision to resign. My letter is most likely the most unimportant of them all, yet I hope that it will help you change your mind. (If you are as hard-headed as I am then it won't do a bit of good.) We need you to work at Redstone Arsenal! . . . You helped many a young rocketeer in his puzzling career (I'm one). Your work for the Army cannot be duplicated . . . PLEASE sir, don't resign, instead keep up the good work and help us beat the Russians in the space race."

Gen. Medaris, Commander of the Army Ordnance Missile Command, replied in part:

"Let me explain to you that I am not 'resigning' from the Army—I am only 'retiring' from active duty. With my great love and respect for the United States Army, I could never 'resign', nor will I cease to support and uphold everything it stands for, for as long as I am privileged to live. Naturally, 'taking off my uniform' for the last time will evoke deep emotion on my part, but it would be just as difficult, if not more (See ASKED on Page 3)

## Dr. Von Braun Sent Check by 4-H Club

The 4-H Girls Club of Barrington, Illinois recently forwarded a check in the amount of \$50.00 to Dr. Werner von Braun, director of development operations in the Army Ballistic Missile Agency.

Mrs. Milton E. Parker, Club leader, wrote Dr. von Braun and explained the reason for the gift: "Dr. von Braun has such a great interest in students and they in him. Why not let youth play a part in this space program? In the eyes of our youth, what do they think if a foremost scientist's needs are not answered? Is this an incentive for students to seek such a field?"

"The Statue of Liberty was paid for by pennies from French children." (See DR. VON BRAUN on Page 2)

## \$3½ Billion Committed For ARGMA's Contracts

### ITALIANS FINISH JUPITER CLASSES

Two classes of the Italian Air Force completed their training on the Jupiter IRBM system at the Army Ordnance Guided Missile School here last week and heard Col. Charles J. Payne declare that

\* \* \*



**SPEAKS AT OGMS** — Col. Charles J. Payne, director of the Training Division of the Army Ballistic Missile Agency, he was principal speaker at the graduation of two Italian Air Force Jupiter classes from the Army Ordnance Guided Missile School, last week.

\* \* \*

they would have "a most important part in the defense of Italy and of the free world."

The director of the training division of the Army Ballistic Missile Agency which developed the Jupiter was principal speaker at graduation exercises for a guided missile operations officer class made up of eight Italian officers and a liquid fuel supply specialist class of 10 Italian warrant officers and sergeants and one U. S. Air Force sergeant.

(See FINISH on Page 2)

The Army Rocket and Guided Missile Agency, Army Ordnance Missile Command, Redstone Arsenal, Ala., has in force contracts totaling more than 3½-billion dollars.

ARGMA, commanded by Brig. Gen. J. G. Shinkle, is responsible for more than a dozen Army rocket weapons systems, including the Sergeant, Corporal, Honest John, Little John, Lacrosse, Nike Ajax, Nike Hercules, Nike Zeus, Hawk, SS-10/11, Shillelagh, Redeye and other systems which have not been announced.

The Agency is responsible for research and development, industrial procurement, storage, issuance and maintenance of the systems.

The funds are placed with "prime" contractors located in many states of the Union. The prime contractors in turn subcontract portions of the programs to thousands of other companies throughout the country. Prime contract funds are placed as follows:

Alabama	— \$60,656,666
California	— 1,204,073,701
Connecticut	— 1,411,275
Florida	— 151,262,239
Georgia	— 4,115
Illinois	— 7,007,018
Indiana	— 25,706
Kansas	— 2,816,737
Massachusetts	— 341,255,871
Michigan	— 8,461,703
Minnesota	— 61,443
Missouri	— 10,171,268
North Carolina	— 1,035,136,185
New Jersey	— 85,127,003

(See 3½ BILLION on Page 3)

## Trial Hours for Post Nursery to Continue

The Post Nursery will continue with its new trial hours through the Christmas season and parents of military dependents are urged to take advantage of the hours in preparing for the holiday season.

The trial hours are on Monday nights, when the nursery is open from 6 p.m. to midnight, and on Sunday evenings when the nursery is open from 4 p.m. to 11 p.m.



**FRENCH OFFICERS VISIT**—Two French Army officers, who visited the Army Ordnance Missile Command and the Ordnance Guided Missile School on an orientation tour Nov. 6, are shown discussing missile configurations at the ABMA Aeroballistic Laboratory's wind tunnel facility. The visiting officers were Major General Pierre Duvoisin, Deputy Inspector General of Artillery and Brigadier General Jacques Mery. They were accompanied on the tour, which will include military installations throughout the U. S., by Lt. Jacques Snyder, Washington tour director. Pictured above (left to right) are John Heamen, chief, Instrument and Development Unit, wind tunnel facility, Aeroballistics Laboratory; Lt. Chris Pette, Support Operations, AOMC; Brig. Gen. Mery; Lt. Snyder; Maj. Gen. Duvoisin; and Lt. Col. Pizen, special assistant to Commanding General, AOMC.

# The Redstone Rocket

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### 3 AOMC

(Continued from Page 1)

holds the Korean Order of Military Merit with Gold Star, a Bronze Star Medal and the Army Commendation Ribbon. He served in World War II and in the Korean conflict.

Lt. Col. Cagle received his R.O. T.C. commission in Artillery, and during World War II served in the Army Air Force. After the war, he joined the Post Engineer staff at Redstone Arsenal.

Lt. Col. is an Estonian by birth, is fluent in both his native tongue and German. Currently he is studying at the University of Alabama Huntsville Extension Center.

### FINISH

(Continued From Page 1)

Lt. Col. Francesco Secondo and Capt. Augusto Marchese were tied for top scholastic honors among the officers while S/Sgt. Giuseppe Gazzaneo was high man in the enlisted course.

The graduates are to become members of the first Italian ballistic missile unit to be formed under terms of an understanding between the U. S. and Italian governments to strengthen NATO defenses. Training arrangements were made by the USAF Air

### Supply Management Is Studied by 23 ARGMA, ABMA

Twenty-three key employees from ARGMA and ABMA recently completed a two week management course at Redstone Arsenal.

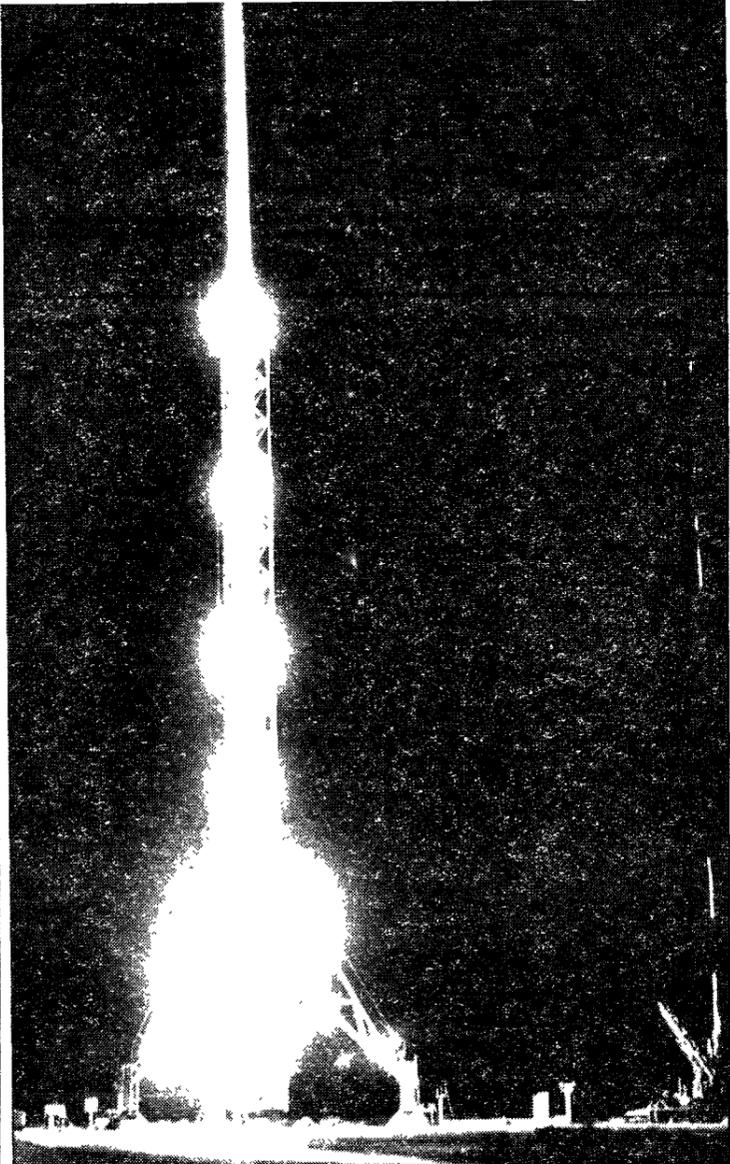
The program was arranged by the Redstone Arsenal Training and Career Development Branch.

Professors Ralph E. Lancaster and E. Eugene Eggle, University of Toledo, taught the course which was a comprehensive review and study of the basic elements involved in the management of repair parts, supplies, tools, and equipment. Certificates were presented to the following graduates:

Erwin J. Bannecke, Army Ballistic Missile Agency; Harold M. Brown, Army Rocket and Guided Missile Agency; Hugh L. Fees, ABMA; James L. Fowler, ABMA; Edsel F. Gauldin, ABMA; Robert H. Gilliland, ABMA; Melvin R. Greuel, ABMA;

Jacob E. Hendershott, ARGMA; Stephen Kawka, ABMA; Lester B. McCall, ARGMA; George P. McQuiston, ARGMA; George W. Nichols, ABMA; Gary U. Phillips.

Training Command and ABMA for the courses to be conducted at the Guided Missile School here.



**ROCKET NIGHT FIRING**—The Navy Aerobee research rocket lights up the desert at White Sands Missile Range as it streaks 90 miles high to make photometric night air glow studies under the U. S. International Geophysical Cooperation-1959 program to get new information about the earth's atmosphere. IGC-59 is a world research program in which 66 nations work together to learn more about earth, sun and space. It was fired 12:35 A.M. Nov. 6.

ARGMA; Clarence M. Presswood, ARGMA; George A. Rausch, ABMA; James E. Russell, ABMA; Bobbie A. Storm, ARGMA; Robert L. Stults, ARGMA; Charles N. Vandiver, ARGMA; Billy R. Warren, ARGMA; Otis J. Wilburn, ARGMA; Capt. Oscar W. Willis, ARGMA; and Janice U. Yates, ARGMA.

University of Toledo instructors will return to Redstone Ar-

senal in early December to present a course in Principles of Accounting — Phase II. Information on this course may be obtained from the Civilian Personnel Office of each agency.

WASHINGTON, (ANS) — The Reserve Officers Association of the United States will observe its 37th anniversary this month.

### Safety Scoreboard

(As of 9 Nov.)

Days since last civilian disabling injury	17
Our goal	30
Days since last military disabling injury	8
Our goal	30
Days since last contractor personnel disabling injury	16
Our goal	50
Days since last government motor vehicle accident	4
Our goal	30

### DRIVING RECORD (Government Vehicles)

(As of 9 Nov.)

Organization	No. Accidents (1959)	Days Since Last MV Accident
Transportation Div. (RSA)	17	15
Post Engineer Div. (RSA)	17	4
Provost Marshall Div. (RSA)	21	7
Depot Operations (RSA)	15	46
All other RSA	7	17
Thiokol (ARGMA)	13	41
All other ARGMA	7	70
OGMS	11	104
ABMA	8	37

### DR. VON BRAUN

(Continued from Page 1)

Dr. von Braun returned the check to the Club with a personal note, expressing his sincere appreciation and explaining that the nation's missile program is supported by funds appropriated by the Congress.

"I can understand your sincere motives," he told the girls in a letter sent to Mrs. Parker. "There is just no way open to me to apply the money to our programs because, under the law, we can only spend legally appropriated funds. Perhaps you might wish to apply the money in some way to reward deserving boys and girls who do well in science or mathematics."

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senal in early December to present a course in Principles of Accounting — Phase II. Information on this course may be obtained from the Civilian Personnel Office of each agency.

WASHINGTON, (ANS) — The Reserve Officers Association of the United States will observe its 37th anniversary this month.

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**SOLDIER OF MONTH**—SP4 Jack Dove, his wife, and son, Jack, Jr., unpack at the Holiday Inn for a weekend stay. Dove, a technical illustrator at the Ordnance Guided Missile School, was chosen Soldier of the Month at Redstone Arsenal last month. In addition to the Army awards to the Soldier of the Month, the Huntsville Chamber of Commerce and the Huntsville Civitan Club sponsor a weekend for the soldier and his family at the Inn.



**MISSILE MINIATURES** — The electronic wafers and the nodule represent an Army breakthrough in miniaturization. A photographic process creates a pattern of circuitry and components on a plastic wafer. The nodule, or larger unit, is made by stacking the wafers together. The nodule, developed by five scientists of the Army Diamond Ordnance Fuze Laboratory, makes it possible to

cy, is scheduled to be deployed to Europe to complement North Atlantic Treaty Organization Shield Forces.

**\$3 1/2 BILLION**

(Continued From Page 1)

- New York — 182,740,930
- Ohio — 22,858,628
- Oklahoma — 253,778
- Pennsylvania — 22,513,416
- Rhode Island — 1,430,060
- Texas — 8,801,324
- Utah — 30,363,741
- Virginia — 318,519,741
- West Virginia — 11,918,524
- Wisconsin — 4,776

In addition, the Agency has contracts totaling \$176,000,000 which cannot be attributed to specific states.

**ASKED**

(Continued From Page 1)

so, a little later when the law would require me to retire.

Learning to face facts and look things squarely in the face is something you cannot expect to master early in life — but I feel that in your case it will come in time. In fact, one of the reassuring things about 'stepping down' is the confidence I have in the integrity, ability and intelligence of your generation, and your capability of 'stepping up.'

"My sincere thanks for your delightful letter — and God bless you!"

pack five times as much electronic gear into missile nosecones.

He—If you refuse me, I shall die. She refused him. Sixty years later he died.

**JUPITER MISSILE PROVES RELIABLE AND IS VERSATILE**

The Army fired the Jupiter intermediate range ballistic missile over its standard range of about 1,500 miles on Nov. 4.

Recent Jupiter launches have included one missile programmed for 350 miles, and another for 1,850 miles. Both flights were successful, demonstrating the Jupiter's versatility of application. This missile, like all of those launched in the past several months, was of the final tactical design.

The missile was launched by the Army Ballistic Missile Agency's Missile Firing Laboratory. ABMA developed the Jupiter at Redstone Arsenal, headquarters of the Army Ordnance Missile Command.

The missile was produced at the Michigan Ordnance Missile Plant, operated for the Army by the Chrysler Corporation Missile Division.

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ing, two-tone paint and  
white tires. **\$129500**

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2-tone paint. **\$89500**

**'56 Chevrolet 2 Dr. Hardtop**  
Radio, heater, two-tone  
paint. **\$89500**

**'55 Ford 4 Dr. 9 Passenger**  
Country Sedan. Radio, heat-  
er, 2-tone paint. **\$99500**

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white tires, one owner. **\$179500**

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### Engineers To Hold Meeting at Dale's

C. E. Hammett, president of the Northeast Alabama Chapter of the Alabama Society of Professional Engineers, announces that Hubbert L. O'Brien, Consulting Engineer from Auburn, Ala. will be the guest speaker at a dinner meeting of the ASPE to be held at Dale's Restaurant, Memorial Parkway on Nov. 12. Social hour at 6:30 p.m. and dinner at 7:30 p.m.

O'Brien will talk on the design of a geodesic type building, similar to the style tentatively planned for the Space Museum of Huntsville. This modern type construction makes maximum utilization of space inside the spherical building since it requires no auxiliary posts inside to support it. O'Brien will stress the professional engineering responsibilities in such construction.

All engineers, either registered or planning registration, are invited. Early reservations will be greatly appreciated. Reservations may be made by calling C. E. Hammett or Pete Redding, Arsenal Ext. 3-2928 or 3-2969.

### Lt. Col. Jaffee Is Elected Sojourner President For 1960

Lt. Col. Morton S. Jaffee was elected president of Redstone Chapter 353, National Sojourners, for 1960.

The election was held last Friday night, at a dinner meeting attended by the organization's members, their wives and guests at the Redstone Arsenal Squirrel Hill Officer's Club.

Other officers elected were Col.

### ROTARIANS WILL SPONSOR BUFFET AT SERVICE CLUB

The Huntsville Rotary Club will sponsor a "United Nations" Thanksgiving Buffet Supper, and entertainment from Jacksonville State College. The Rocket Service Club Nov. 20, at 1900 hours. A dance will follow.

The buffet will consist of a traditional holiday array of foods. The buffet will be set up in the TV room and will be served from 1900 hours until 2030 hours. Reservations will be accepted in the Service Club Office until Thursday Nov. 12.

Special entertainment will be presented by the International House from Jacksonville State College from Jacksonville, Ala. The twenty-two students in beautiful costumes will present dances, solos, folk dances, and piano solos typical of their native countries. Students from the following countries will participate in the program: France, Belgium, Germany, Turkey, Iran, India, Korea, Japan, Mexico, Persia, and America.

Dinner music will be provided and the band will play for a dance following the program.

All enlisted men and guests are invited to make reservations in the Service Club office.

### Mrs. Penuel Takes Honors

Mrs. B. F. Penuel took top honors in party bridge on Monday night, November 2, at the Officers Club. Three tables were in play.

Lt. Col. J. W. Severeid scored second while Mrs. Peter Kostoff was third. Hostess for the evening was Mrs. Homer J. Finch.

Charles J. Payne, first vice-president; Capt. Kenneth W. Gryder, second vice president; Maj. Rubin L. Anderson, third vice president; Comdr. John H. Graham, secretary; Paschal Redding, treasurer. Installation ceremonies are planned for the Sojourner's December meeting. This is an annual event to which the wives and guests are invited.

Lt. Cecil W. Stoughton, Headquarters, Army Ordnance Missile Command, spoke on the Able and Baker Monkey Shoot and Nose Cone recovery, and presented a film illustrating his talk.



ARCH OF CEREMONIAL SABERS—Lt. Col. and Mrs. Gilbert P. Levy leave the Redstone Arsenal Post Chapel under an arch of sabers following their wedding ceremony last Sunday. Following their wedding trip, the couple will reside on post.

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### MRS. JONES, LT. COL. LEVY WED IN MILITARY CEREMONY SUNDAY

In a military wedding ceremony with arched swords, Sunday, Nov. 8, Mrs. Patricia Petersen Jones of Florence became the bride of Lt. Col. Gilbert Paul Levy of Redstone Arsenal.

The Rev. Edward Mullen, pastor of the Trinity Episcopal Church of Florence, read the vows at 3 p.m. in the Chapel at Redstone Arsenal. Nuptial selections were presented by Mrs. Russell Boyd, organist, and W. O. Horton of Florence, vocalist.

The bride is the daughter of Mr. and Mrs. H. J. Petersen of Bryn Mawr, Pa., and the bridegroom is the son of Mrs. Rose Levy of Huntsville and the late Abraham Levy of Newark, N. J.

For her wedding, the bride chose a two-piece afternoon frock of Dior blue silk faille, fashioned with a portrait collar, distinguished by a self rose and a sheath skirt. Her tiny chapeau was detailed with two rosettes at the front and a wisp of tulle. She carried a prayer book topped with two white orchids. Her only ornaments were a single strand of pearls, a gift of the bridegroom's mother, and matching pearl earrings, a gift of the bridegroom.

Mrs. James H. Johnson of Florence was her cousin's only attendant. She was attired in a beige wool jersey sheath with a

matching organdie jacket, which featured rhinestone buttons. Her accessories were brown and her flowers were two cymbidium orchids.

Lt. Col. Nathan I. Reiter of Redstone Arsenal served Col. Levy as best man.

Immediately after the ceremony, a reception was held in the Officers' Club. Arrangements of white chrysanthemums were about the rooms and on the bride's table, which was overlaid with a white cutwork cloth. Atop the tiered wedding cake was a miniature bridal couple.

Assistants included Mrs. Walter Bell, Mrs. Frank Mosier, Mrs. Clarence Ellis, Mrs. Tom F. Smith, Mrs. Wyatt Simpson, Mrs. R. J. Osborn, Mrs. Fred McCallum, Mrs. P. E. Sealy, and Mrs. James White, all of Florence.

Ushers included Capt. S. L. Miller, Capt. L. A. Stanley, Capt. F. R. Garner, III, Capt. W. S. Bice,

### Technical Writers Will Meet Tonight

Huntsville Chapter of the Society of Technical Writers and Editors will meet tonight at 7:30 in the conference room of the U.S. Army Ordnance Guided Missile School.

Guest speaker for the evening will be Capt. Alan Metzger, chief of the OGMS-TV Branch. He will speak on the use of closed circuit television within the Ordnance Guided Missile School.

Capt. Metzger, who has been closely associated with the School's TV activities since their inception, will cover the history leading to the Guided Missile School's present position in the field of educational closed circuit TV. The talk will also cover the development of technical TV programs with particular emphasis on the writing aspects.

Capt. Metzger's talk will be climaxed with the audience viewing a short TV program on monitor screens in the conference room and an actual walk-through tour of the OGMS TV studios and facilities. A question and answer period will follow the tour.

Attendance for this month's meeting will be a reservation basis only. Those planning to attend are asked to contact Miss Elna Brooks, Chapter Secretary, no later than noon, Nov. 18.

### GARDEN CLUB TO MEET

The Redstone Arsenal Officers Wives Garden Club will meet Nov. 17 at 7:30 p.m. at the Redstone Arsenal Officers Club.

Mrs. Robert Boxell will present a program on arrangements for special occasions. Make your reservations no later than Monday noon, Nov. 16, with Mrs. William Bice, ext 5-7643.

Lt. W. R. Bentrup, Lt. E. Urban, Lt. J. M. Wennerstrom, and Lt. B. Kennedy, all of the Army Ballistic Missile Agency at Redstone Arsenal.

For traveling, Mrs. Levy chose a three-piece green tweed costume, brown furs, brown derby hat and brown alligator accessories. The orchids from her bouquet were at her shoulder.

After Nov. 20, they will be at home at 17 Ripley Drive, Redstone Arsenal.

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**DANCE:** "Ladies to the center and back to the bar, Gents you go in with a right hand star". Fred Goodner, a professional square dance caller, will be on hand tonight at 2000 hours to lighten up your body and start your feet dancing. You do not want to miss this wonderful opportunity for a enjoyable evening of square and couple dancing. There will be fun for all so don't be late.

**TOURNAMENTS:** Nov. 12 is the date for the bridge enthusiasts to congregate for their evening of competitive play. Plan now to participate in the enjoyable bridge games. Prizes will be awarded to the winners and there will be refreshments.

The ping pong players will participate in a tournament on Nov. 16 at 1800 hours. We have many excellent players who need competition, therefore, we encourage new players each game. A single elimination tournament will be played again this month. The rules are simple and you are bound to enjoy an evening of competitive play.

Nov. 19 at 1830 hours is the date of the pool tournament. Single elimination will be the method used for this competitive play off. All pool team members and new members are invited to participate in this competition. The prize is fabulous.

**PARTIES:** Do you know where you can find a 1924 penny or a rusty nail? Because that may be on your scavenger hunt list Saturday night. All participants will assemble at the Service Club and draw a list of items and then start the search. A Junior Hostess will be chairman of each team on the hunt. A prize will be awarded to the team who returns to the Service Club with all items on list. You are sure to have a lot of fun. Following the scavenger hunt we will return to the club for refreshments.

What Pizza again? Make reservations today for the Pizza Party on Nov. 15 at 1800 hours. Gus makes the best pizza in the

country so we feel sure you do not want to miss the party.

**SUPPERS:** Good food! Good fellowship! Good program. We'll go "South of the Border down Mexico Way" and enjoy a chili supper on Nov. 22 at 1800 hours. Molly is really cooking something up for the supper. Pick up your reservation card today.

The Huntsville Rotary Club will entertain with a "United Nations" Thanksgiving buffet supper on Nov. 20 at 1900 hours. Twenty-two foreign students from Jacksonville State Teachers College will be guests for the party and will present entertainment at 2030 hours. Following the performance dancing will be enjoyed until 2300 hours. Reservations can be made until Thursday night Nov. 12.

**Dance Classes:** The cha-cha and fox trot dance classes started Wednesday night and proved to be very popular. The waltz class on Friday night started out with a bang. Join one of the classes today. The next classes will begin in January.

**Folk Dancing:** Folk games provide rich opportunities for social fellowship and wholesome fun. They have values in developing appreciations for other peoples and nations. The learning process is done step by step, therefore, you do not need to feel stupid and clumsy. Join in the fun of the Irish Washer-woman, Captain Jinks, Little Brown Jug, Ace of Diamonds, etc, every Tuesday night at 2000 hours.

**DRAMATICS:** The Show Production Group has selected the play "Holiday for Lovers" for its next production tentatively scheduled for February. The group will meet on Nov. 24 for try-outs for the play. If you are interested in dramatics please meet with the group and make use of your talents. Don't forget the date Nov. 24 at 1930 hours in the Service Club game room. King Harrison, of the Post TV Branch, will direct the play.

**MUSIC:** "Sing, sing, what'er be-

## Mrs. Lowers Places High at Party Bridge

The party bridge group of the Redstone Arsenal Officers Wives Club met Thursday for weekly competition with six tables in play.

Mrs. H. L. Lowers placed high, Mrs. J. P. Smith was second, Mrs. R. S. Kinch scored third, and Mrs. J. C. Swearingen was low.

All members of the Wives Club are invited to participate in the activities of the party bridge group. The group meets weekly on Thursdays at the Officers Club from 10 a.m. until 2 p.m. Reservations should be made by Wednesday noon with Mrs. A. Y. Harper Jr.

## Mrs. Thompson Wins High Canasta Score

The canasta group of the Redstone Arsenal Officers Wives Club met Thursday evening with three tables in play.

Mrs. C. I. Thompson was first, Mrs. C. R. Ross placed second, and Mrs. O. L. Edwards scored low.

All members of the Wives Club

are invited to participate in canasta played on Thursday evenings at 7:30 p.m. at the Officers Club. Reservations should be made by Wednesday noon with Mrs. H. R. Arnold, ext. 5-8854.

Gather around the piano and enjoy the thrill of fun songs, folk songs, harmony numbers, spirituals and Christmas carols on November 19 at 1900 hours at the Song Fest.

## Movie Schedule

Wednesday, Nov. 11, "Blood and Steel", starring John Lupton and Ziva Rodann. Time 1815 and 2015.

Thursday and Friday, Nov. 12

## Stamp Club to Meet At the Boy's Club

The Huntsville Stamp Club moved to a new meeting place and will meet every second and fourth Tuesday in the building of the Huntsville Boys Club, Madison and Abington.

The next meeting will be held Thursday the 12th November, at 7 p.m.

All NATO personnel interested in Stamp collecting are cordially invited.

For further information contact CWO Weiser, Ext. 3-6543 or after duty 5-8349.

## SAM To Meet In Decatur

The North Alabama Chapter of the Society for the Advancement of Management will hold a dinner meet at 6:30 p.m. tonight at the Holiday Inn in Decatur on U. S. Highway 31 South.

Ed Maddock, plant manager for the Worthington Corp., will be the principal speaker and will conduct a tour of the air conditioning operations at the Worthington plant.

Interested persons may call Henry Rupp for further information or reservations. His telephone extension is 3-3817.

are invited to participate in canasta played on Thursday evenings at 7:30 p.m. at the Officers Club. Reservations should be made by Wednesday noon with Mrs. H. R. Arnold, ext. 5-8854.

and 13, "Battle of the Coral Sea" starring Gia Scala and Cliff Robertson. Time 1815 and 2015.

Saturday, Nov. 14, Special Matinee, "Hells Canyon Outlaws", starring Brian Keith and Dale Robertson. Time 1000.

Saturday, Nov. 14, "Triple Deception", starring Michael Craig and Julia Arnold. Time 1815 and 2015.

Sunday and Monday, Nov. 15 and 16, "The House of Intrigue", starring Dawn Addams and Curt Jurgens. Time Sunday 1400, 1815 and 2015; time Monday 1815 and 2015.

Tuesday, Nov. 17, "Walt Disney's Darby O'Gill" starring Albert Sharpe and Janet Munro. Time 1815 and 2015.

You are reminded that the matinee formerly held at 1315 hours at the Post Theater Tuesday thru Friday has been terminated. The matinee on Saturday at 1000 hours and on Sunday at 1400 will continue to be shown.



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### Officer Assignments At Arsenal Are Listed

Lt. Col. James H. Davitt, formerly a signal advisor to the Third Turkish Army in connection with military aid to Turkey, is now serving as director of the research and development staff assistance division in the Signal Office at Command headquarters. He received his BS degree in chemistry from the University of Illinois and his MS degree in science from the same institution. He entered the Army in 1940 and holds the Bronze Star and Oak Leaf Cluster for service in Korea.

Major John J. Neary has been assigned to the procurement branch of the Industrial Division at the Army Rocket and Guided Missile Agency. He was formerly with the New York Field Office of the Deputy Chief of Staff for Logistics, Department of the Army.

Capt. Arthur Porcher, a U. S. Military Academy graduate formerly assigned in Iceland as chief of construction for the Area Engineer of the Eastern Ocean District, Corps of Engineers, is now serving as chief of the facilities branch of the Atlantic Missile Range Army Field Office, at Patrick Air Force Base.

Capt. Clarence W. Goldey is now serving as signal officer with the Atlantic Missile Range Army Field Office. A mechanical engineering graduate of the University of California, he earned his MS degree in the same subject at University of Minnesota. He was formerly assigned in Germany as

a company commanding officer.

Capt. Thomas N. Gaiser, formerly a unit commander with the Southern Europe Task Force in Italy, is serving as an assistant project officer for the Army Rocket and Guided Missile Agency at Patrick Air Force Base.

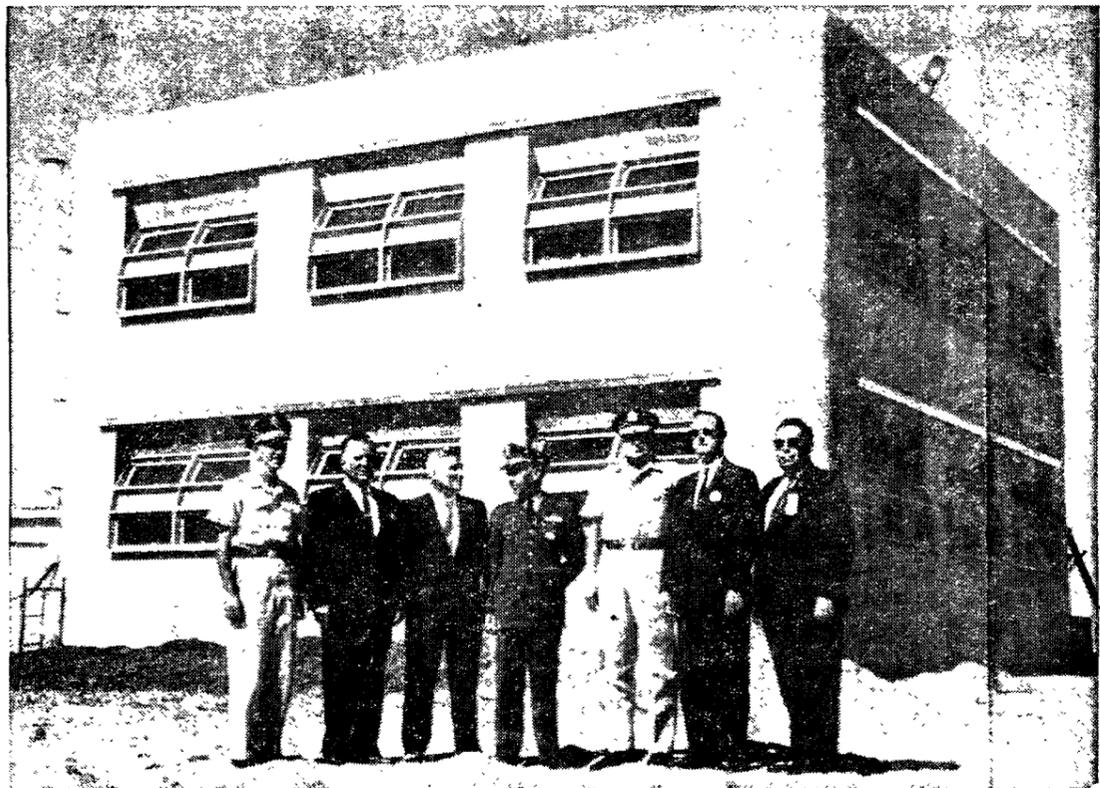
Capt. Charles T. Gibson and Peter W. Moore have been assigned as aviators with the aviation section of Command headquarters. Capt. Gibson was formerly an aviator with the Joint U. S. Military Advisory Group to Thailand. Capt. Moore was formerly an instructor pilot overseas.

Capt. Elwood H. Neener has been assigned as still photo officer with the pictorial branch of the Post Signal Division at Redstone Arsenal. He was formerly a photo instructor with the U. S. Army Information School, Ft. Slocum, N. Y.

First Lieutenants Thomas W. Wheat, Jr., and Jack A. Apperson have been assigned to Command Headquarters. Lt. Apperson a 1957 graduate of the U. S. Military Academy is a project officer in the Control Office. Lt. Wheat is an aviator with the aviation section.

Lt. John E. Groves, Jr., is assigned to the Army Rocket and Guided Missile Agency. He holds a BS degree in mathematics from Arkansas State College and an MS degree in mathematics from St. Louis University, St. Louis, Mo.

Lieutenants Elton O. Tanner, Jr., Charles D. Berry, and James M. Ellis, Jr., have been assigned to Redstone Arsenal. Lt. Tanner, who holds a BS degree in ac-



**PERSHING FACILITY DEDICATION**—Brig. Gen. John A. Barclay (center), commander of the Army Ballistic Missile Agency, is pictured in front of the new Pershing missile system blockhouse during an inspection this week following turnover of the facility by the U. S. Army Corps of Engineers, which supervised construction, to ABMA and the Martin Co. Left to right: Col. James D. Sams, Chief, Atlantic Missile Range Army Field Office; G. T. Willey, vice-president and general manager, Martin-Orlando; Dr. Hans F. Gruene, Deputy Director of the Army's Missile Firing Laboratory; Gen. Barclay; Lt. Col. Clayton A. Bird, Corps of Engineers liaison officer; George E. Smith, general manager, Martin-Cocoa; Robert Haydon, director of the Pershing project for Martin-Cocoa. Acceptance of the launch facility, including two launching pads, is in anticipation of early Pershing flight tests.

counting from Mississippi Southern College, is assistant mess secretary with the Officers Open Mess. Lt. Berry, who received his BS degree in marketing from Oklahoma State University, is clothing sales store officer with the Post Quartermaster. Lt. Ellis, a business administration graduate of Jacksonville State College, Jacksonville, Ala., is Disbursing Officer with the Finance and Accounting Division.

Lieutenant William J. Schultis is serving with the Army Rocket and Guided Missile Agency. A physics graduate of Loyola University of the South, New Orleans, La., he received his PhD in physics from Louisiana State University in 1959.

CWO James W. Hudgins is serving as chief of the electronic maintenance branch of the Post Signal Division at Redstone Arsenal. CWO Sam R. Bourland is ad-

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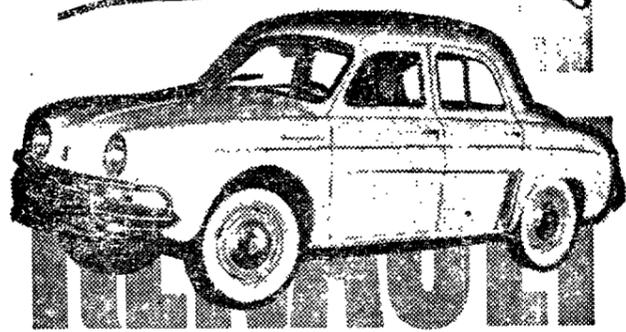
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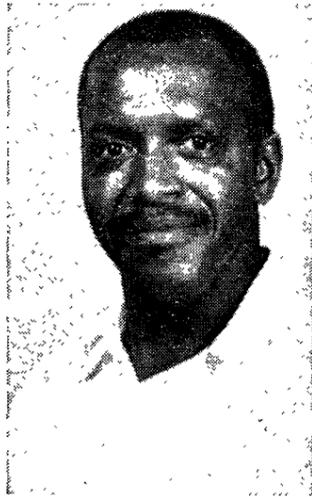


RONALD HICKS

**HICKS IS CHOSEN SAFE SUPERVISOR**

Ronald Hicks, instructor-supervisor in the Structures Handling and Propulsion Branch, Redstone Section, OGMS, has been selected as Safe Supervisor of the Week.

Hicks has been a member of the Redstone team for the past



ANDY MOORE

**Andy Moore Named Safe Worker of Week**

Andy Moore of Branch 12, Post Exchange Section, was nominated by his supervisor and selected by the Redstone Safety Division as

three years. He was born in Section, Ala. and was formerly employed there as a school principal in the public school and also as school principal, at Princeton, Ala.

Hicks advises that any job can be done safely if the safe work procedures are known. He feels that through application of the job analysis method, whereby a work operation is broken down into its component parts, potential hazards can be determined and effective safety measures can be taken which will preclude injury or damage.

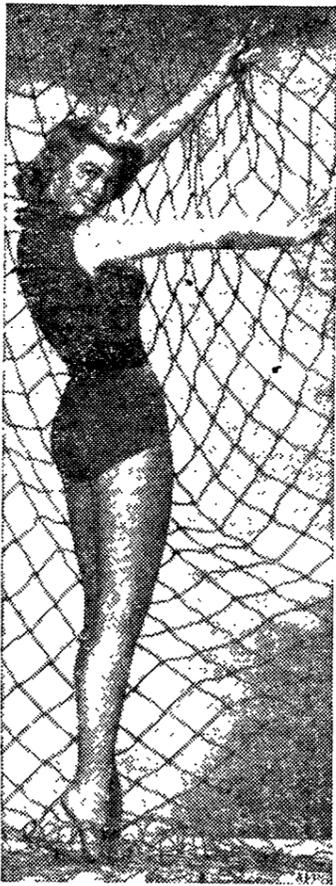
Hicks makes his home at Section. He is married and has two children. As a sideline and hobby he is a "gentleman-farmer" with special attention directed to raising pigs.

safe worker of the week.

Moore's selection was based upon his consistent adherence to safety regulations and his regard for the safety of others with whom he works. He says that he feels in many instances accidents occur because the workman either fails to understand or disregards the instructions of the supervisor.

He began work with the Post Exchange in 1951, and in addition to being safety conscious, Moore has consistently received satisfactory work performance ratings. The most recent one was rated as outstanding.

Moore is married, has one child and makes his home at 612 Barnett Street, Huntsville. His main hobby is baseball.



**PROMISING PASSENGER** — Dorothy Malone makes "The Last Voyage" in the movie that sinks the old liner Ile de France for a climax.



**ARGMA MEN HONORED BY AIRLINE**—Donald I. Graham, Jr. (left), and A. Hugh Camp (right), both of the Army Rocket and Guided Missile Agency's Research and Development Division, recently were named "honorary captains in the Capital fleet" by Capital Airlines, after each had passed the 100,000-mile mark in commercial air travel. Presenting the ARGMA pair plaques was Will I. Hardy, District Manager for the airline.

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# SPORTS

## Pigskin Highlights

### 3rd ETD Downs ARGMA

3rd ETD picked-up their third win of the season in the opening game of last week's unit-level football competition in defeating "A" Det ARGMA, 26-14.

LH Foster opened scoring for 3rd ETD when he went over from the 6 yardline early in the first period. The PAT attempt failed. In the second quarter halfback Foster passed to teammate Henry who galloped 30 yards for the TD. Marine crashed over on the bonus play giving 3rd ETD a 14 point lead at halftime.

In the opening minutes of the third period, Henry went back in the passing slot and uncorked a 10 yard pass to teammate Foster who went over unmolested. The PAT attempt failed with 3rd ETD leading ARGMA, 20-0.

Late in the third period ARGMA hit the scoring column when Munson threw QB Hanson a 35 yard touchdown pass. The bonus play failed and 3rd ETD held a comfortable lead of 20-6.

3rd ETD came back into the scoring column in the fourth period with Foster passing to HB Bohlman who carried it over from the 8. The bonus play failed. ARGMA scored the final TD of the game with Herbert going through the middle, finding running room and rambling 40 yards for the TD. Teammate Morgan carried the PAT over.

Final score, 3rd ETD over "A" Det, ARGMA, 26-14.

### Hq. Det. UTC Defeats ABMA

It was UTC all the way last Tuesday night in the "Game of the Week" with the league leaders tallying in every period to give "B" Det. ABMA their second setback in five starts. UTC scored 40 points, with able help from "fleet footed" Cordell picking-up 18 points himself, while ABMA tallied only once on a pass play from Klecka to Warner covering 30 yards in the second period. The bonus play failed.

UTC registered three TD plays in the first, period. Leonard passed to Cordell for a 45 yard TD and the former fired to teammate Formveal for a 20 yard TD play. Both PAT's were good with Grego taking a pass from Leonard and Klecka running one. The third score came when a bad snap from ABMA's center went wild into the end zone giving UTC a safety.

Cordell picked-up his other two TD's in the second and fourth quarters. In the third he ran 16 yards around end for pay dirt and later in the fourth period he got off to a 83 yard gallop down the sidelines for the final scoring play of the game. Both PAT's were tallied by passes from Leonard to Grego.

The only other score came in the third period with Leonard passing to Fromveal for the TD a play covering approximately 60 yards.

UTC took over the league lead ers slot with this win and ABMA

dropped to sixth position in the standing. UTC meets the 864th Air Force Wednesday, Nov. 11, at 1400 hrs which will no doubt decide the fate of the Air Force squad.

### Garrison Downs 864th

With a steady downpour of rain, and Linton Field reminding one of a Korean rice paddy during the monsoon season, Hq. Det. USAG upset 864th Air Force, 16-6, last Wednesday night in the wettest, muddiest, fumblingest contest of the season.

Garrison scored early in the first period when QB Alfree rambled around end, fought the defensive elements and went the full 60 yards to score the first TD of the game and the last until the fourth period. HB Sanders ramed the Air Force line, crossed the goal line to register the bonus play.

With scoring at a stand still, the changed hands during the second, third quarters either by downs or fumbles which was mostly the case due to the condition of the field. Then in the fourth period HB Sanders for Garrison got a pitch-out from Alfree, started around left end, found open ground then moved out down the sidelines clipping off the 70 yards for a second Garrison TD. QB Alfree passed to teammate Cassidy who was all alone in the end zone for the PAT. Garrison led 16-0 at the four minute period in the fourth quarter.

With less than 12 seconds playing time, QB Hackney took a pitch-out from FB Cameron, cut the corner around right end and sprinted down the side line for a fine 72 yard TD and the last of the game. This was the only score for the Air Force. The try for the PAT failed and that was the ball game. Garrison took home the winners cup by a score of 16-6. Alfree, playing his game for Garrison, turned in a fine performance despite the weather. He had only one fumble and hit his teammates with some fine passes.

### 291st Downs B Det. OGMS

291st MPC defeated "B" Det. OGMS, 36-6, last Friday night and by this victory, moved into second place with five wins, one loss and one tie.

HB Schweickert registered three tallies himself to lead the 291st in scoring. Receiving fine blocking from teammates, Schweickert registered the first scoring play from the one yard line in the first period. "Mircal Man" Sayger ramed over for the bonus play.

Schweickert scored in the third quarter with a seven yard gallop and again in the fourth with a fine 76 yard ramble around left end. Sayger tallied the PAT's.

Sayger picked-up a six pointer in the second period from the 2. QB Nonnwiler passed to End Minor for the PAT. The other scoring play for the MP's came on a 10 yard sprint by Pharr around left end.

The only score for "B" Det. came late in the third period on a pass play from QB Reynolds to



WINNERS in the Chrysler Cup Tournament recently completed by the golf group of the Redstone Arsenal Officers Wives Club. are, left to right, Mrs. E. M. Dooley, consolation runner-up; Mrs. F. E. O'Brien, consolation winner; Mrs. T. T. Paul, tournament winner; Mrs. O. O. Roundy, tournament runner-up, and Mrs. C. J. Payne, medalist.

## CHRYSLER TROPHY IS PRESENTED TO MRS. T. T. PAUL

Twenty-five golfers from the golf group of the Redstone Arsenal Officers Wives Club met on Thursday afternoon at the Office-

HB Beach who took it over from the 18. This was the fourth loss for "B" Det. who is ranked seventh in overall standings.

With the 291st MPC defeating "B" Det. 36-6, this leaves the 3rd ETD and "A" Det. ARGMA on the remaining MPC schedule.

Standings As Of November 6

	W	L	T
Hq Det UTC	4	1	0
291st MPC	5	1	1
864th AF	4	2	0
3rd ETD	3	2	0
Hq Det USAG	4	2	1
"B" Det ABMA	2	2	1
"B" Det OGMS	3	4	0
"A" Det ARGMA	1	5	1
"A" Det OGMS	1	5	0

ers Club for awarding of prizes in the group's Chrysler Cup Tournament.

In addition to the championship trophy, Mrs. T. T. Paul, tournament winner, was presented with a small trophy to keep and a silver pitcher.

Mrs. O. O. Roundy, runner-up, received a silver pie dish. Mrs. F. E. O'Brien, consolation winner, was awarded a silver trivet while consolation runner-up Mrs. E. M. Dooley received a silver celery

dish. Mrs. C. J. Payne, tournament medalist, received a silver Revere bowl.

Presentation of the Chrysler Cup to Mrs. Paul was made by Arlie R. Trahern, manager of Chrysler's Huntsville operations. The championship perpetual trophy was presented to the Wives Club by the Chrysler Corporation Missile Division in June. The tournament began in September and concluded last week. Twenty-six golfers participated.

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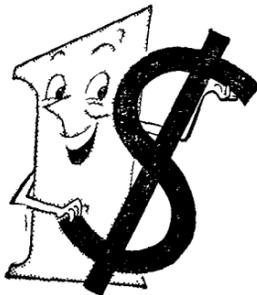
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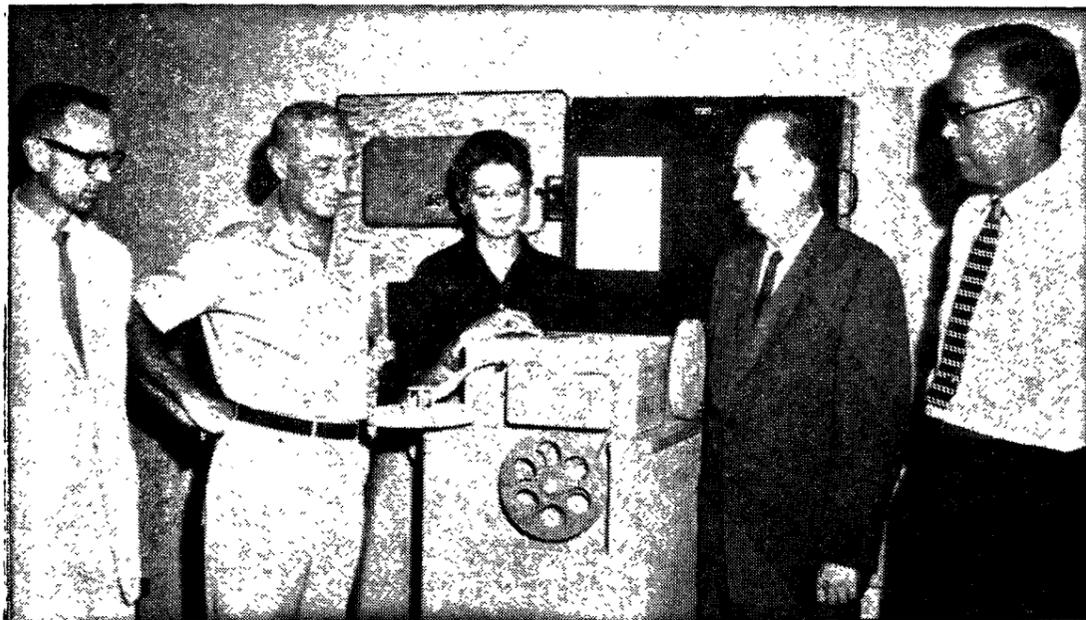
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MISS JUNE WARREN, teledata operator at the Army Ballistic Missile Agency, sends the Agency's first message over the new integrated high speed data communications system. Witnessing the event are, left to right, J. W. Mollins, special assistant to the chief of the Procurement Operations Branch, Industrial Division, ABMA; Lt. Col. O. M. Hirsch, director of the Industrial Division; W. D. Goldsby, project officer for implementing the system; and C. W. Minnick, supervisor of the ABMA teledata section. The initial message, sent on October 1, 1959, at 8:45 a. m., was a transmittal of program authority to the Detroit Ordnance District.

### RAPID COMMUNICATION ENSURES UP-TO-MINUTE INDUSTRIAL DATA

Through the wizardry of electronics, Army missilemen are combining the latest developments in communications with the newest methods of data processing in an attempt to make industrial operations within the Army Ordnance Missile Command among

the most efficient to be found. With implementation of this system, the Command will have fast reference to the latest information concerning the status of some 15 major weapon systems for which it is responsible.

Labeled an integrated high speed data communications system, this system will unit the Command electronically with Army Ordnance Districts and certain primary contractors, providing a constantly available means for rapid communication of orders, production status, deliveries, and other vital transactions which affect programs involving annual expenditures of more than a billion dollars.

#### Soon To Be Operational

The system, already in partial use, is expected to be fully operational by the end of the year.

Developed by industrial specialists of this Command and the Philadelphia Ordnance District in cooperation with industry, the system is being implemented under sponsorship of the Office, Chief of Ordnance, Department of the Army, Washington, D. C.

There will be two central transmission points: one at the Army Rocket and Guided Missile Agency and the other at the Army Ballistic Missile Agency, both elements of the Army Ordnance Missile Command at Huntsville, Ala. These two points will have direct contact with six Ordnance Districts — Birmingham, Los Angeles, Boston, New York, Philadelphia, and St. Louis — and five major contractors — Western Electric Co., Burlington, N. C., Martin Co., Orlando, Fla.; Ray-

theon Co., Andover, Mass.; Chrysler Corporation, Detroit, Mich.; and Douglas Aircraft Company, Santa Monica, Calif.

#### System Operates on Tape

Basically the system is a paper tape operation. Equipment at each contact point will include one or more "Flexowriters," a dual "Teledata" machine and possibly a tape-to-card punch, and punch-card processing equipment or electronic computer.

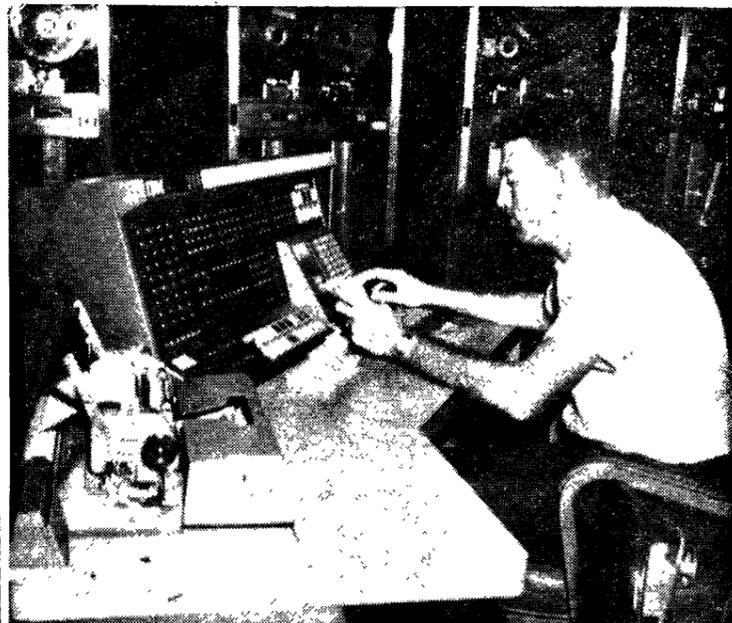
The Flexowriter, similar to an electric typewriter, produces a punched tape as well as the customary typewritten copy when a message is prepared. The tape is

then fed into the Teledata machine, which sends the message to its destination. There it is received by another Teledata machine as punched tape. The received tape is fed back through a Flexowriter to produce a typewritten copy of the message.

#### Provides Daily Record

After transmission, certain tapes are fed through tape-to-card machines which automatically punch cards recording the transaction. These cards, fed through electronic data processing equip-

(Continued on Page 10)



CARDS recording transactions conducted over the integrated high speed data communications system are fed through an IBM 705 computer at the Computation Laboratory, Army Ballistic Missile Agency, to provide a printed up-to-date daily record of the status of all projects.

### MRS. COLLINS WINS LOW GOLF SCORE ON ODD HOLES

Sixteen golfers participated in competition for low score on odd holes held Wednesday morning by the golf group of the Redstone Arsenal Officers Wives Club.

Mrs. M. R. Collins, Jr., won first place, Mrs. J. B. Levaas was second, and Mrs. H. E. Fite came in third.

In addition, winners in a ringer tournament held by the group during the month of October have been announced as follows:

First flight: three-way tie between Mrs. R. O. Lehtonen, Mrs. C. J. Payne and Mrs. Stephen Albee.

Second flight: tie between Mrs. J. A. Dasche and Mrs. J. E. Devine.

Third flight: tie between Mrs. H. M. Murray and Mrs. W. J. Fries.

Most improved score: Mrs. J. E. Devine.

The group will not hold a regular Wednesday event next week because of the holiday. All golfers are reminded to turn in their scores for handicap in the surprise tournament coming up this month.

theon Co., Andover, Mass.; Chrysler Corporation, Detroit, Mich.; and Douglas Aircraft Company, Santa Monica, Calif.

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(Continued on Page 10)

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**RAPID**

ment, provide a printed up-to-date daily record of the status of all projects.

The only significant manual operation in the entire system is the operation of the Flexowriter. Through the use of permanent tapes containing routine information, to which only variable data need be added, the manual operation is kept to a minimum. Since both sender and receiver keep a set of the permanent tapes, only the variable data need be transmitted. The recipient can then match it with the appropriate permanent tape to get the full message.

The dual teledata machines will be able to send and receive messages between two points simultaneously, transmitting approximately 200 words per minute. Included in the system is a telephone hookup to allow sender and receiver to communicate verbally concerning the messages being transmitted.

**Given Six-Month Test**

In May, 1958, the Chief of Ordnance asked the Army Rocket and Guided Missile Agency and the Philadelphia Ordnance District to conduct a study of available communication methods. In August 1958, the Agency submitted a proposal recommending use of the



MRS. VELMA EDWARDS of the teledata section at the Army Rocket and Guided Missile Agency uses the phone hookup of the Agency's integrated high speed data communications system to alert a prospective receiver concerning a message ready for transmittal. The Agency's system has been in operation since early 1959.

paper tape equipment with a preliminary communications hook up between the Agency, the Philadelphia Ordnance District, and the Western Electric Company. In December the Office, Chief of Ordnance, gave approval to go

ahead with the set-up, as outlined for a six months test.

Use of the system reduced the time for important procurement actions by as much as two weeks.

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iod was completed in June, 1959, it was determined that the system would be established for industrial operations in the Army's missile program, and would include use of computers to maintain records of industrial transactions.

A working committee was established, composed of representatives from both the Army Rocket and Guided Missile Agency and Army Ballistic Missile Agency to implement the installations throughout the nation. Chaired by W. D. Goldsby of ABMA, the committee includes J. W. Molins and T. M. Dorman of ABMA, and H. S. Cassell, R. S. Ferguson, and SP-5 Theodore Pearson of ARGMA.

The teledata transmission system will use, primarily, the Army Secure Voice and Switched

Data Network, an already established telephone network reaching across the United States and maintained by the Army Signal Corps. Leased telephone lines will be utilized to tie individual switching centers into network switching centers located at Atlanta, Philadelphia, Kansas City, Chicago, and Oakland.

This is another example of how the U. S. Army Ordnance Missile Command is utilizing the latest technological advances to further the U. S. Army missile programs.

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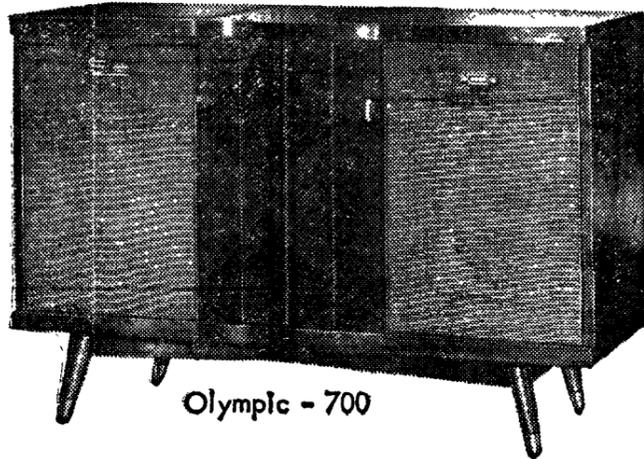
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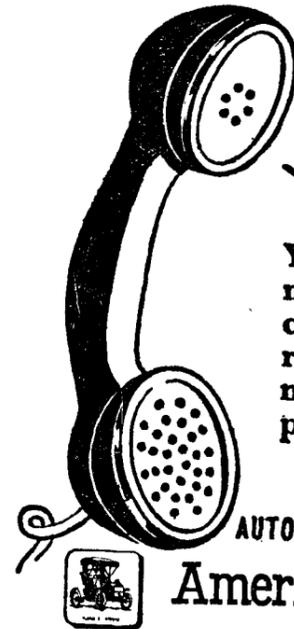
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**UGF SUPPORTERS**—Members of the Passenger Section, Traffic Branch, Redstone Arsenal Transportation Division, had 100 per cent participation and contributed 100 per cent "fair share" in the UGF campaign which ended at the Arsenal last Friday. Left to right above are: Mrs. Veleria Driggers, Mrs. Dorcas Throneberry, Mrs. Ruth Gorum, Miss Rena Huie, Mrs. Jo McKnight, Mrs. Martha Atchley, Mrs. Betty White, Mrs. Cornelia Libisch, Mrs. Imogene Baugher, Miss Jimmie Builer, and Mrs. Toots Maples, chief, passenger Section.

**Personnel Complete First Aid Classes, Earn Certificates**

Four groups recently have been awarded first aid certificates by the American Red Cross after completing courses taught at Red-

stone Arsenal.

The following representatives of Arsenal segments completed the instructors course which was taught by William McNutt, American Red Cross, Atlanta:

A. C. Adams, H. M. Bonney, W. T. Cook, M. P. Douglas, A. S. Drummond, D. W. Ealy, J. S. Garrard, Vance Harton, G. P. Kelm, A. M. Murphy, Joseph Gregory, Jr., D. H. Old, G. H. McCary.

The Ordnance Missile Laboratories, Army Rocket and Guided Missile Agency, class in standard first aid was taught by E. H. Baites. Those receiving certifica-

tes were:

M. R. Garcia, R. V., Garner, J. S. Frampton, N. P. Williams, S. F. Adams, C. R. Bishop, C. H. Solomon, R. H. Seavers, J. D. McBride, L. J. Kwiatkowski, J. A. Brown, G. D. Williams;

M. L. Todd, H. A. Watkins, J. R. Williams, G. C. Patterson, R. L. McGrew, J. W. Connaughton, F. E. Hart.

Receiving standard certificates at Rohm & Haas Company taught by Dorothy White were: D. A. Baker, B. G. Bowden, G. L. Hargrave, U. D. Kennamer, L. D. Maples, Jr., J. P. McKinney, F.

A. Parks, C. R. Wells. Another standard first aid class of Chrysler Corp. personnel taught by A. V. Medlen were: Emmett L. Willis, E. M. Ferrier, Peter Ditty, G. H. Thompson, C.

R. Kostis, E. R. Helmbrecht, R. T. Hyba, Harold Wartell, J. B. Rose, W. G. Musselman, G. E. Hettleson, R. P. Durand, J. D. Bambard, Leo C. Jackman.

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1115 hours — 2nd session 3 yrs. of age thru 3rd grade.

Nursery for babies and small children is open during these two services.

1830 hours — Christian Youth Fellowship, Jr. Hi and Senior Hi. Buses will pick up those attending.

Tuesday: 1830 hours — Enlisted Men's Christian Union.

Wednesday: 1845 hours—Chancel Choir Rehearsal.

**REDSTONE PARK COMMUNITY HALL**

Sunday: 0945 hours — Sunday School Classes.

11 hours — Morning Worship Service.

Wednesday: 1900 hours—Family Night Service.

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Baptisms — 1330 hours (By appointment).

Teenage Religion Class — 1830 hours.

Monday: Inquiry Class — 2000 hours.

Tuesday: Altar Boys' Class — 1830 hours.

Novena in Honor of Miraculous Medal—1930 hours.

Choir Rehearsal—2000 hours.

Wednesday: Mass—1700 hours.

Saturday: Catechism Classes—0930-1130 hours.

Confession—1800-1900 hours.

Daily Mass: 1130 hours (except Wed.)

**CHAPEL NO. 2 (A. F. Area)**  
 Sunday: Mass (Italian) 1100 hours.

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Sunday — 1100 hours—Held in Huntsville at White St. and Wells Avenue.

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## FLYING TV STATION IS DESIGNED BY ARMY TO ELIMINATE GUESSES

The Army has developed a "flying TV station" which is designed to take the guesswork and human risk out of target damage assessment.

The miniature, self-contained "TV station" would be housed in a small capsule carried in a ballistic missile. It would be ejected during flight. While falling to earth the camera photographs the impact point of the missile and the resulting damage.

In use the reconnaissance device would transmit its view of the target area to television monitoring screens located behind the line of battle, enabling commanders to see the results of their strategy immediately.

Rigorous in-flight testing of the device begins this week at the Air Proving Ground Center, Fla. It was developed by the Radio Corporation of America and the Chrysler Corporation Missile Division for the Army Ballistic Mis-

sile Agency, Army Ordnance Missile Command. ABMA is responsible for the Redstone, Jupiter and Pershing weapons systems.

Tests at the northwest Florida Air Research and Development Command base will be the first proving of the device in flight, although it has been extensively tested on the ground. The 33-inch long cone-shape capsule will be dropped from the bomb-bay of an Air Force B-57 light bomber at high altitudes over Range 75, located in the northwest portion of the Eglin AFB reservation.

The receiving station for the

pictures transmitted during the capsule's descent will be located relatively nearby at Eglin Auxiliary Field No. 3, which is eighteen miles east of the bombing range. Pictorial transmissions from the instrument will also be recorded on video tape to enable Army engineers to study the results.

APGC project officer for the bomber tests is Capt. Lamar R. Kissling of the Directorate of Aerospace at APGC. R. H. Schlidt, Redstone Weapons System Office,

Development Operations Division, Army Ballistic Missile Agency, is in charge of the television development project. Hugh S. McCullough, Structures and Mechanics Laboratory, Army Ballistic Missile Agency, is in charge of the drop test program at Eglin Air Force Base.

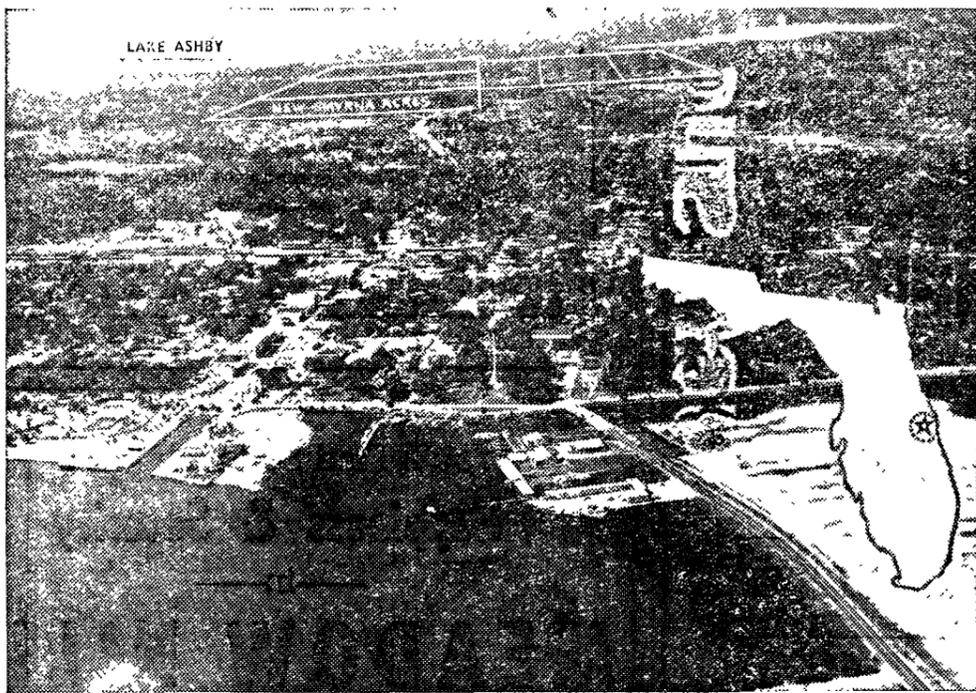
The Army said further testing of the reconnaissance device will be conducted at the White Sands Missile Range, N. M., where missiles are fired on an overland range.

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- Located in the heart of a multi-million dollar citrus growing belt.
- Located 7 road miles S. W. of New Smyrna Beach - 9 miles west of the Atlantic Ocean, on major State Highways #44 and #415.
- Located JUST 4 MILES FROM A BIG AND SUCCESSFUL HOME AND HOMESITE SUBDIVISION WHERE EQUIVALENT SQ. FOOTAGE NOW SELLS FOR OVER \$6,000.00.
- Bordered by major State Highways and 1/2 miles west of U. S. Highway #1 . . . the motor lifeline for Florida and the Nation.
- Located on some of the Famed Atlantic Coast's highest land, with a mean elevation of 29'.
- In the heart of Florida's famed "Golden Triangle", where many of the Nation's defense dollars are spent.
- Accessible by conventional auto, NOW! No need to take an "air boat" or "mule train" to the property.

**"When you buy FLORIDA REAL ESTATE as an investment for future profits . . . THE MOST IMPORTANT FACTOR TO CONSIDER IS THE NEARNESS OF THE PROPERTY TO AN ESTABLISHED AREA . . . where growth and expansion are now taking place."**

At NEW SMYRNA ACRES . . . the vital facts favor the investor . . . as KEY LOCATION IS THE PRIME POINT GOVERNING FUTURE PROFITS IN REAL ESTATE.

### NOTIFICATION OF PRICE INCREASE

On December 15th, prices on each 1-1/4 Acre Estate at New Smyrna Acres will increase \$100. Thus, by sending your reservation deposit today . . . you can SAVE \$100 on the purchase price of this premium property.

### WHY YOU SHOULD INVEST IN FLORIDA — NOW!

Again, let's face it. Florida is attracting over 3,000 permanent new residents weekly. Beyond the obvious advantages of basic Florida appeal - we know, by substantiated statistics . . . that 85% of the people moving to the State give 2 BIG REASONS for their move . . . CLIMATE AND HEALTH. The two go hand in hand, and the greater Daytona area, with a year 'round average temperature of 70.4 degrees, is one of the Sunshine State's most healthful.

Small wonder, then, why there are over 250 retirement subdivisions within a 50 mile radius of New Smyrna Acres.

**FLORIDA IS IN NO IMMEDIATE DANGER . . .** of "running out of usable land" . . . but it only makes good sense that the amazing influx of population and industry, ALL FOLLOWING THE SUN . . . are constantly forcing prices up . . . for land in established areas . . . through the simple law of Supply and Demand.

**FIRSTAMERICA DEVELOPMENT CORPORATION** is sincere that New Smyrna Acres is an excellent speculative Florida investment. The land was purchased at large tract prices, and has had years to mature and increase its wholesale value. This is not land "JUST 50 MILES AWAY" from a "GROWING COUNTY" . . . OR LAND WHERE IT RAINS ONCE EVERY FIVE YEARS . . . ON AN ALKALI FLAT . . . we consider New Smyrna Acres an investment NOW WORTH EVERY PENNY OF OUR ASKING PRICE . . . on terms you can afford . . . and we are selling it at rock-bottom prices . . . in 1 1/4 Acre Estates which can be subdivided into 4 COMPLETE BUILDING LOTS . . . so that when development comes . . . YOU GET THE ADVANTAGES OF YOUR INVESTMENT!



#### REFERENCES:

- New Smyrna Beach Chamber of Commerce
- Hollywood By-The-Sea Chamber of Commerce
- First National Bank of Hollywood

New Smyrna Acres is located in the very heart of FLORIDA'S famed GOLDEN TRIANGLE which has gained national reputation because of the explosive expansion in population and industry within its boundaries. The Triangle comprises the land and coastal beaches between Jacksonville on the North, Orlando on its Western, inland base, and Melbourne on the South. Many of Florida's 100 plus electronic industries that have "followed the sun" to settle here in the past decade, have located in the Triangle to give logistic support to the nation's vast missile program. Some of the big, big reasons why the Sunshine State has increased its population 60% in eight years, are industrial expansion, in the fields of electronics, metalworking, chemicals, paper, plastics, construction and the garment fields. Coupled with the consistently fine climate, the location of New Smyrna Acres . . . just a short distance from the white, sandy shores of the Atlantic Ocean . . . is another BIG INVESTMENT ADVANTAGE you enjoy.

**REMEMBER! . . . YOU TAKE NO RISK IN SENDING \$10 to reserve your 1 1/4 Acre Estate at New Smyrna Acres. We will send you complete, certified information . . . that you can evaluate at your leisure. In fact, we INVITE COMPARISON - and ask only that YOU BE THE JUDGE. If you are not satisfied that this is an excellent investment opportunity, EVERY PENNY OF YOUR RESERVATION DEPOSIT WILL BE IMMEDIATELY REFUNDED.**

### RUSH RESERVATION COUPON TODAY!

**NEW SMYRNA ACRES** 1939 Harrison Street **R-11** a division of FirstAmerica Development Corporation  
Hollywood, Florida

Enclosed is my \$10 reservation deposit on . . . 1 1/4 Acre Estates. (Reserve as many as you wish.) Please rush complete details, including maps, photos, etc. I must be convinced that this is an excellent speculative Florida investment . . . or my reservation deposit will be refunded at once!

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ ZONE \_\_\_\_\_ STATE \_\_\_\_\_

### Births at Post Hospital

Marvin Daniel Carlsen, Jr., 6 lbs., 2¼ ozs., Oct. 27, son of Sgt. and Mrs. Marvin D. Carlsen.  
 Watson Welshon Evans, Jr., 5 lbs., 11 ozs., Oct. 27, son of Pfc. and Mrs. Watson W. Evans.  
 Wiyona Evans, 5 lbs., 12¾ ozs., (twin sister of above), Oct. 27, daughter of Pfc. and Mrs. Watson W. Evans.  
 Robert Morales-Renta, 6 lbs., 8 ozs., Oct. 27, son of SP5 and Mrs. Santiago Morales-Renta.  
 Cheryl Lynn Rolison, 7 lbs., 3¼ ozs., Oct. 23, daughter of SP4 and Mrs. Charles F. Rolison.  
 Christine Marie Gilgenbach, 5 lbs., 5¼ ozs., Oct. 23, daughter of SP4 and Mrs. Bob Saenen.  
 Keith Jeffrey Ratliff, 7 lbs., ¾ oz., Oct. 29, son of PFC. and Mrs. Clarence M. Ratliff.  
 Lori Christine Miller, 5 lbs., ¼ ozs., Oct. 31, daughter of PFC. and Mrs. William N. Miller.  
 Willis Neal Renfro, 7 lbs., 3¼



**PENNY FOR YOUR THOUGHTS**  
 — The Mercury should climb wherever Penny Peterson, "Miss Anti-Freeze of 1959", turns up. Penny's touring major U. S. cities in a campaign for safe winter driving.

ozs., Oct. 31, son of S/Sgt. and Mrs. William N. Renfro, Jr.  
 Michael Wayne Bengert 7 lbs., 9 ozs., Nov. 1, son of SP5 and Mrs. William R. Bengert, Jr.  
 Dale Carlton Thompson, Jr., 7

## SPORTS QUIZ

1. What team in the majors has finished last most often since 1900?
  2. Who is the only West Point athlete ever to gain All-America honors in basketball?
  3. Duke Snider set a fielding record in this year's World Series. What was it?
  4. Northwestern drubbed Oklahoma 45-13 in the Sooners' first clash with a Big Ten opponent in 20 years. Who did they last play in the Western Conference?
  5. Who holds the record for winning the triple crown of baseball the most times?
- Answers to the Quiz  
 1. Philadelphia Phillies, 19 times.  
 2. Dale Hall, present head football coach at West Point.  
 3. Most errors by a player in one inning, two.  
 4. Ironically, Northwestern.  
 5. Ted Williams and Rogers Hornsby, both won it twice.

**ARMY ALAMANAC:** The United States assumed formal jurisdiction over Alaska on October 18, 1867.

lbs., 5½ ozs., Nov. 1, son of 1st Lt. and Mrs. Dale C. Thompson.  
 Daphane Ann Sparrow, 7 lbs., 10½ ozs., Nov. 2, daughter of Pvt. and Mrs. Eldon K. Sparrow.  
 Fernando Jose Canales, 8 lbs., 9 ozs., Nov. 3, son of Capt. and Mrs. Francisco Canales-Roman.  
 James Vincent Lowery, 7 lbs., 2½ ozs., Nov. 2, Sgt. and Mrs. William F. Lowery, Jr.

## FOR SALE!

**CHURCH ST.**  
 Cafe including 10 rooms upstairs, 2 apartments and furniture store downstairs, located on large lot, small down payment, balance monthly payments.

**HUMES AVE., 2 lots, \$1,250 each.** Look for sign on property.

**HALSEY AVE.**  
 Nice 2 bedroom house, Reasonably priced.

**MOTEL**  
 13 unit motel with living quarters on No. Memorial Parkway, doing good business, reasonably priced, shown by appointment only.

**DELLWOOD HEIGHTS**  
 1-1/3 acres — turn off Weatherly Road on to Edgehill Road, go one block, turn right at Dellwood Road, go 1 block, property on left with our sign, price reduced to \$2,850.00.

**LOTS ON PARKWAY**  
 Ideal for businesses.

**ATHENS PIKE**  
 Nice 7-room house on 3 acres of land, price reduced.

**FARM**  
 4 — 40-acre tracts or 1—160-acre tract, located 1½ miles from city limits on Highway 72 east.

**BUILDING LOTS**  
 1 acre lots. Go out 72 east to Rock Cliff, turn right, follow road, look for sign on property. Reduced to \$660 per acre.

**FARM**  
 31 acres of land with 5 room house located ½ mile off Meridian Pike on New Market Highway.

**C. F. STINNETT**  
 REAL ESTATE BROKER  
 714 Meridian St., N.  
 NIGHT PHONE JE 2-8718  
 OFFICE PHONE JE 6-9901  
 Let Us Build, Sell or Remodel Your Home

## How's Your Know How?

1. How did Vermont get its name?
2. What is the world's largest bell, and where is it?
3. Where did the word "cruiser" originate?
4. What is the difference between a hurricane and a typhoon?
5. None. They're both cyclones.

1. From the Latin spelling of his Green Mountains, verd mont. It stands in the Kremlin.
  2. Tsar Kotelok, or King of Bells.
  3. From the Mediterranean.
  4. None. They're both cyclones.
  5. None. They're both cyclones.
- (Answer to Quiz)

**6 LEFT**  
 F. H. A. Also  
 Min. Down V. A. Fin.  
**WESTBROOK**  
 North on Pulaski Pike, Salesman on Duty  
 Turn Left on Grizzard Rd. MR. BASS WRIGHT  
 Phone JE 9-3681

Model Home Open — 8 a.m. - 8 p.m.  
**100% GI LOANS**  
 Only in Sherwood Park, Second Addition can you buy a home of this calibre on such favorable terms. Our incomparable homes feature fabulous Frigidaire all-electric kitchens, including dishwasher, built-in range, ovens, vent-hoods, two full ceramic tiled baths, fine brick construction, forced air heat (completely modified for air cond., prim large lots. Huntsville's best location and the world's finest neighbors. FHA terms also available.  
 NOTE: World War II Vets Still Eligible. (even if you have purchased a home before on GI you may still be eligible).  
**Town & Country Realty**  
 6300 Madison Pike (Bob Wallace) JE 6-9601  
 Best Home Buys In Town

**Best Home Buys**  
**BEST LOCATION**  
 ... IN TOWN  
 On 100% G.I. Loans (or F.H.A.)  
**Sherwood Park**

**ONLY— \$10.00** HOLDS A HOME OF YOUR CHOICE  
 Master Built IDEAL HOMES  
 NO DOWN PAYMENT  
 MINIMUM DOWN PAYMENT  
**EDMONTON HEIGHTS**  
 (Huntsville's Exclusive Negro Subdivision)  
 The Most House For Your Money  
 On Meridian Near A & M College  
 PHONE JE 2-5643 OR JE 2-5644

**"DADDY"**  
 Why Can't We Have Our Own Home? PARENTS... He Deserves An Answer AND HERE IT IS!  
**You Can Own Your Own Home!**  
 With 3 Bedrooms, 1½ Baths, Garage or Carport and Many Other Fine Home Features For NOTHING DOWN, \$150 CLOSING COST As Little As \$70.78 Per Month (Plus Taxes and Ins.) On GI Loan  
**HALMAC ESTATES**  
 \$12,800 To \$13,450  
 — DIRECTION — Go north on Parkway, turn left on Oakwood, turn right on Shady Lane Drive and Watch For Our Signs!  
 OPEN 'TIL 8 P. M.  
**ENSOR CONSTRUCTION CO.**  
 Scales office on premises, Phone JE 2-5311

You'll Find So Much More Happiness & Security —in—  
**MEADOW HILLS**  
 "THE MOST HOUSE FOR THE MONEY"  
 "All Our Homes Are Designed With You In Mind" ... By REGISTERED ARCHITECTS

<b>VETERANS</b> Total Move In Cost Approx. <b>\$100</b> Mo. payments as low as \$77.50 Incl. Taxes & Insurance	<b>FHA BUYERS</b> Total Move In Cost Approx. <b>\$500</b> Payments approx. \$84.00 per mo. Incl. Taxes & Insurance
--	--

ASK one of our Salesmen about the homes available for... IMMEDIATE OCCUPANCY  
**MODEL HOMES**  
 Open for Your Convenience — 8 a.m. to 9 p.m.  
**FOLMAR & FLINN SALES**  
 Phone JE 6-2301

# Use Wantads

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. Mail copy with payment to Mrs. Zillah Newsome, P. O. Box 346, Huntsville. Deadline is Monday, 9 a. m. for the week's edition.

**FOR SALE** — Hi-Fi, Electro-Voice Spkr. (SP-12), Aristocrat "Kit" Enclosure, 25 Watt Heathkit Amplifier (W-5M), Heathkit preamplifier (WA-P2), Realistic turntable, Shure tone-arm (7 mil. stylus, diamond). \$120. Call JE 2-5704. 1tp

**FOR SALE** — AKC Registered Chihuahua puppies, male and female, can be seen at 503 Eustis St., S.E., phone JE 4-1219. 1tp

**FOR SALE** — 2 house trailers, 1 and 2 bedrooms, located downtown, 311 Holmes Ave., N. E. Bargain Mobile Homes. City Trailer Park. 1tc

**RENT - SELL OR TRADE**—1959 Mobile Trailer Homes, almost new, 10'x45' to 55' long, 2 and 3 bedrooms, rent with option to buy or purchase small equity, take up payments or will trade equity for used automobile or what have you. Geo. Sachs, Redstone ext. 3-5171 or JE 9-3827. 1tc

**FOR SALE** — 1955 Ford Victoria in very good condition, equipped with Fordomatic, radio, heater, duals, windshield washer, clear plastic seat covers, skirts, new white-wall tires. Sharp. Contact PVT RECKAMP Days Call Ext. 3-7590, evenings JE 6-2042. 1tp

**FOR SALE** — 1959 New Moon Mobile Home 45'x10'. Purchase large equity for only \$650. Assume payments on \$2900 balance. Call ext. 3-2554, ask for Mr. Moon, or see at Mt. View Trailer Ct., Lot No. 6. 1tp

**FOR RENT IN WESTLAWN** — Recently redecorated 3 bedroom house, living room, dining rm., kitchen, venetian blinds, washer-dryer connections, fenced back yard, natural gas, bus service, near schools, 3902 Beech Ave., phone JE 9-5856 or JE 4-9868. 1tc

**FOR SALE** — Beautiful two-tone green 1955 Oldsmobile Holiday Coupe, very clean, \$895.00. Phone Redstone ext. 3-2432. Milton Clew. 1tp

**FOR SALE** — The finest Christmas cards, exclusive albums, The Bok Shop, Russell Erskine Bldg. open 9 to 9, close Saturdays at 6 p.m. Member Downtown Park 'n Shop — 11-18c.

**EQUITY SALE** — Three (3) bedrooms, two (2) bath, Carport, Utility Room, Brick Construction, near Parkway Shopping Center, Kirkwood Subdivision, 109 Wingate Avenue, JE 6-4736. 11-25p

**FOR RENT** — Newly decorated 4-room furnished apartment, electric heat, downtown Huntsville, City Trailer Park, 311 Holmes Ave., N.E. 1tc

**FOR RENT** — Boat house on Guntersville Lake, also have a beautiful cabin site for sale. Phone JE 6-3113 after 9 p.m. 11-11c

**WHY PAY RENT?** Live in a modern duplex home while your neighbor pays all expenses. Call NOW . . . JE 2-2652. ttc

**HOUSE FOR SALE** — 2909 Malory Ave., Country Club Estates. 3 bedrooms, dining room, 1½ baths, carport, pay reasonable equity, assume FHA mortgage, owner being transferred Dec. 1. Phone JE 6-7318. ttc

**FOR SALE** — Nice three bedroom frame home, forced air heat, ceramic tile bath, carport in one of Arab's nicest residential area. Immediate possession. 11-25c

**FOR RENT** — Unfurnished duplex apartment to couple only, 3 large rooms, gas heat, private bath, large porch, near arsenal, on bus line, 3501 S. Broad (Huntsville Park), phone JE 4-4904. 1tc

**FOR SALE** — RCA 21" Deluxe TV console, heavy blonde mahogany wood cabinet. Older model but of quality construction. Going overseas will sacrifice \$65.00. JE 6-0590. 1tp

**FOR RENT** — 5 room unfurnished apartment at 1122 Wellman Ave., near schools, \$75.00 per mo., phone JE 4-9311 or JE 2-5697. 1tc

**FOR RENT**—408 Drummond Rd., Fleming Meadows, 3 bedroom and den, brick, separate dining room, forced air heat, available around Dec. 1st. Phone JE 2-2674. 1tc

**MONTE SANO** — Beautiful ½-acre building site with well and cesspool, electricity installed, located on paved road. Phone JE 6-3113. 11-18c

**ROOMS FOR RENT**—Single and double for men with good habits, completely and newly decorated, economically priced. Central Y.M.C.A. Dial JE 4-6452. ttc

**PRUDENTIAL, INC., OF AMERICA** for the best in Life Insurance. Big dividends and cash surrender values. For your home—the new home owners package at new reduced rates plus our fine dividends. JOHN E. BROYLES AGENCY, Times Bldg., Huntsville, Ala., Phone JE 6-0711 or JE 2-8615. ttc

**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 Masseur in charge. Phone JE 2-2444. ttc

**FURNITURE & APPLIANCE BARGAINS**  
Drive out and see our display of quality home furnishings at wholesale prices. Our low overhead permits us to give you extra discount savings. Ask about our easy pay plan. Furniture Outlet Store, Meridianville, Ala., phone JE 6-6857. Go Out-a-way — Less-to-pay ttc

**JOHNSON MOTORS; Glasspar Crosby and Lone Star Boats; Trailers—Trade and Terms Automotive Parts and Marine Co., 813-17 Meridian St., phone JE 6-7882. ttc**

**HAVE YOU SEEN** the new N.S.U PRINZ? The newest thing in foreign cars. Priced at only \$1395.00. Then see it today at Texas Auto Sales, 1013 Meridian Street. Phone JE 6-6121. ttc

**ROCKET CITY UPHOLSTERY & REFINISHING CO.** — Specializing in furniture upholstery refinishing only. Free estimates in the home, pick up and delivery. All work guaranteed. Easy terms. The jack of all trades is master of none. Call the man who knows furniture. Phone JE 4-9696 days or JE 6-7220 nights. Ask for James Dulin. ttc

**FOR SALE** — 1958 Midway trailer, 2 bedrooms, 8'x38', like new very low equity, assume payments. Call Tony, JE 6-5581 ext. 488. ttc

**FOR RENT** — Light housekeeping apartments in downtown Huntsville, ideal for couple. Phone JE 4-1451. 11-28c

**HOUSE FOR SALE** 3 bedrooms, large kitchen and dining room combination, living room, utility, carpet, and patio. F.H.A. inspected and accepted on prior commitment. Inspection by appointment. No down payment. You can move in now. See or call Jesse Black after 6:00 P.M. any day JU 6-3055. 11-13c

**LOT FOR SALE** — Ideal home site, located Owens Cross Rds., convenient to schools and shopping, terms available. Phone Ezell, Redstone ext. 3-2901. 1tc

**FOR RENT** - furnished efficiency apartment on Monte Sano for one or two ladies—electric heat, TV, radio-record combination, phone included, \$75 per month one., \$50 each for two, phone JE 4-6139. 1tp

**ROOM FOR RENT** - 1 or 2 girls in private home, TV, kitchen privileges. For further information call JE 2-2824. 1tp

**FOR SALE or Exchange** - ANTIQUES—organ; 6 chairs, solid walnut, cane; bookcase; wall telephone; sectional, solid mahogany, phone JE 4-6139. 1tp

**FOR SALE** - One 4' X 6' two wheel utility trailer, 15" tires; one 3' X 4' luggage trailer, one wheel; one 8' X 12' floating raft with canopy and side railing, with motor, handles nicely. M/sgt. Bartman, Redstone ext. 57066. 1tp

**FOR SALE** - 59 Plymouth Sport Fury Hardtop. Leaving country, must sacrifice this classic. Loaded with power. Plastic seat covers. 8:00/14 w/s/w, etc. Call JE 6-7481, Room 70. 1tp

**FOR SALE:** Oldsmobile, 1958 Super 88 Convertible, power steering, radio and heater, whitewall tires, excellent condition, \$2,250.00. Phone Redstone Ext. 3-2815 days or JE 9-4706 after 5 P.M. 1tp

**FOR SALE** — Girls English bicycle, full size, 3 speed; ¼ h.p. motor, 110 V. with blower, thermostat; Hoover Sweeper with attachments, except for Saturday, call JE 6-9257 after 4:30 P.M.. 1tp

**ENLARGEMENTS** from your black and white negatives, from 35 MM size up to 5 x 7 negatives. 5" x 7" Photograph 50c, 8 x 10" photograph \$1.00. Send negatives and remittance to Photographer, P. O. Box 639, Oneonta, Ala. 1tc

**WOULD YOU LIKE TO BUY** a little Widow's Home? just pay her \$800.00 and assume payments. It's new - brick - 3 bedrooms - 2 baths - Near School - 1014 8th Ave. S.W., Decatur. Call EL-3-3412 - JE-6-4411, Exts. 3-5441, 3-3567. 1tp

**FOR SALE** — 7-room house, 3-bedroom, den, two baths, re-decorated inside. Floors re-finished. Small equity. Payments less than rent. Possession immediately. Ideally located near schools, churches, shopping centers, city bus. See at 211 Thornton Ave., S.W., Huntsville, Ala. Phone: During working hours - Redstone 3-5128. JE 2-5552 after 5:00 p.m. Monday, Tuesday, Thursday. Anytime Saturday. 1tp

## SHOTGUN For Sale

**FOR SALE** — Bolt action 3-shot, 20-gauge shotgun. One single barrel 410-gauge. These guns like new \$19.00 each.

One 5 horsepower Scott-Atwater motor with gear shift, used only a few times. Cost new \$239.00. Will sell for \$120.00. See at 1013 Meridian St. Texas Auto Sales.

## PARKWAY ESTATES

OPEN HOUSE (Every Day)

3 & 4 Bedroom Brick Veneer Homes  
2 Full Tile Baths with Chrysler Airtemp Year 'Round Heating and Air Conditioning.

WILL TRADE 100% GI LOANS WILL TRADE

UP TO \$17,500

Also New Low FHA and Conventional Loans  
HUNTSVILLE'S MOST EXCLUSIVE SUBDIVISION

— Directions —

South Memorial Parkway 1½ Miles South of Holiday Inn

## COLEMAN & TURNER CO.

R. A. COLEMAN

PHONE JE 2-3451 or JE 9-3391

## BON AIRE ESTATES

3 BEDROOMS — 1½ BATHS

BRICK HOMES  
VETERANS!

\$150 DOWN

Includes All Closing Cost

Priced From

\$14,150 to \$14,950

### DIRECTIONS

Drive South on Memorial Parkway. Turn right at first traffic light past The Huntsville Times. Continue West on Bob Wallace Avenue, turn left at Bon Aire sign on Fairacres Road. Follow arrows.

Phone JE 9-1301

## OPEN HOUSE

SAT.  
2-6 P.M.

IMMEDIATE OCCUPANCY

SUN.  
2-6 P.M.

## GI LOANS

Also FHA and Conventional Financing

## - Highlands Subdivision -

3 Bedroom & Family Room Brick Veneers  
1½ and 2 Baths on McClain Lane

GO NORTH ON MEMORIAL PARKWAY to Oakwood Avenue, turn left and go ¾ mile past the Country Club — The Highlands on right.

WE HAVE SEVERAL GOOD  
EQUITIES FOR SALE IN ALL  
SECTIONS.

Call Grace Makowsky - JE 6-3894  
E. H. Norris - JE 6-2279  
Joe Engle - JE 4-9825

## THE HIGHLANDS COMPANY

Real Estate — Rentals

Phone JE 6-6318

112 West Clinton

# INCENTIVE AWARDS

The Incentive Awards Committee has announced that the following persons employed at Redstone Arsenal have received Outstanding Performance ratings:

Sytha J. Fedrowsch, Clerk General, Systems Analysis & Reliability Laboratory, DOD, ABMA; Robert Silber, Physicist, Aeroballistics Laboratory, DOD, ABMA; Edith H. Cropp, Personnel Clerk, Civilian Personnel, RSA; Kurt H. Debus, Aeronautical Research Administrator, Missile Firing Lab, Dev. Opns. Div., ABMA; Eberhard F. M. Rees, Aeronautical Research Administrator, Development Opns. Div., ABMA; Arthur Rudolph, Aeronautical Research Administrator, Development Opns. Div., ABMA; Ernst Stuhlinger, Aeronautical Research Administrator, Development Opns. Div., ABMA; William A. Mrazek, Aeronautical Research Administrator, S&M. Lab, Opns. Div., ABMA; Gladys B. Betsill, Secretary, Field Maintenance, RSA; Betty J. Darwin, Secretary, Legal Office, RSA; Ruby S. Miller, Clerk Stenographer, Post Engineer, RSA;

Rudolf F. Hoelker, Supervisory Physicist, Aeroballistics Lab, DOD, ABMA; Charles W. Nestor, Procurement & Contract Officer, Purchasing & Contracting, RSA; Phyllis P. Mathis, Supv. Clerk General, Operating Services Office, ABMA; Harry D. Patterson, Supv. Engineering Tech, Industrial Division, ARGMA; Barney E. Kemp, Depot Maint. Operations Officer, Field Service Division, ARGMA;

Shirley R. Cowperthwaite, Secretary (Stenography), Control Office, USAOMC; Charles E. Richardson, Jr., Supv. Aero. Res. Engr., Res. and Dev. Div., ARGMA; Paul O. Phillips, Jr., Supv. Aero. Res. Engr., Res. and Dev. Div., ARGMA; Edmond D. Messer, G.M. Dev. Control Engr., Res. and Dev. Div., ARGMA; Stella B. Hurley, Secretary (Stenography), Control Office, ARGMA;

Thomas A. Childress, Supv. Supply Req. & Dist. Officer, Field Service Division, ARGMA; Doris A. Avery, Administrative Assistant, Ord. Missile Labs, ARGMA; John Marchi, Educational Specialist (Course Materials), Res. and Curriculum Div., OGMS.

The following persons employed here have received Sustained Superior Performance Ratings:

Joyce A. Raley, Clerk General, Civilian Personnel, ABMA; C. M. Gibbons, Training Instructor, Research & Curriculum Division OGMS; Peggy E. Pruett, Statistical Assistant, Industrial Division, ABMA; Sytha J. Fedrowsch, Clerk General, Systems Analysis & Reliability Laboratory, DOD, ABMA; Robert Silber, Physicist, Aeroballistics Laboratory, DOD, ABMA.

Mattye F. Myrick, Secretary, Legal Office, USAOMC; Edith H. Cropp, Personnel Clerk, Civilian Personnel, RSA; Gladys B. Betsill, Secretary, Field Maintenance, RSA; Betty J. Darwin, Secretary, Legal Office, RSA; Joseph M. Wilce, Stock Control Clerk, Transportation Division, RSA; Olen L. Glass, Stock Control Clerk, Consolidated Supply Div., RSA;

Burriss F. Hankins, Supervisory Safety Engineer, Safety Office, RSA; Edwin Fransoli, Auditor, Control Office, RSA; Nellie J. Sharp, Clerk S-3 Office, RSA; Ruby S. Miller, Clerk Stenogra-

pher, Post Engineer, RSA; Rudolf F. Hoelker, Supervisory Physicist, Aeroballistics Lab, DOD, ABMA; Phyllis P. Mathis, Supervisory Clerk General, Operating Svcs. Ofc, ABMA; Willie A. Guthrie, Supv. Clerk General, Fab & Assy Engr. Lab, DOD;

Juanita S. Reynolds, Secretary, Financial Mgmt Ofc, ABMA; Lemuel F. Vaughan, Engineering

Draftsman, Structures & Mechanics Lab, ABMA; Harold W. VanderVeen, Supv. Equipment Specialist, Depot Division, RSA; Audrey L. Mullican, Clerk Typist, Post Engineer, RSA; James D. Mables, Ammo Destroyer Foreman, Depot Division, RSA;

John F. Tyson, Printing & Reproduction Officer; Administration Division, RSA; Ray H. Smith, Press Operator Leader, Administration Division, RSA; Shirley R. Cowperthwaite, Secretary (Stenography), Control Office, USAOMC; Robert C. Lowery, Budget Administrator, Comptroller, USAOMC; John O. Norton, Civil Engineer, Engineer Office, USAOM-

C; Joyce P. Hunter, Clerk Stenographer, Civilian Personnel, RSA; Charles E. Richardson, Jr., Supervisory Aero Res Engineer, Res. and Dev. Div., ARGMA; Paul O. Phillips, Jr., Supervisory Aero Res Engineer, Res. and Dev. Div., ARGMA; Edmond D. Messer, GM Dev Control Engr, Res. and Dev. Div., ARGMA; Stella B. Hurley, Secretary (Stenography), Control Office, ARGMA; Thomas A. Childress, Supv. Supply Req. & Dist Officer, Field Service Division, ARGMA;

Doris A. Avery, Administrative Assistant, Ord Missile Labs, AR-

GMA; Hardy B. Jackson, Attorney Adviser, Legal Office, ARGMA; Paul R. Collier, Ind. Program Specialist, Industrial Division, ARGMA; John T. Calhoun, Msle. Systems Ind. Mgmt. Officer, Industrial Division, ARGMA; Estelle M. Owen, Clerk, Field Service Division, ARGMA; Minerva S. Warren, Supv. Employee Utilization Repr., Civilian Personnel, ARGMA; Harry D. Patterson, Supv. Engineering Technician, Industrial Division, ARGMA.

A Special Award was made by the Incentive Awards Committee to William P. Murphy, supervisory patent advisor in the AOMC Legal Office.

**MAKE YOUR TABLE ATTRACTIVE FOR**

# THANKSGIVING

**WITH QUALITY**

## TABLE CLOTHS AND NAPKIN-MAT SETS



We're all set with practical and beautiful decorative and serviceable cloths and napkins for the Thanksgiving holiday entertaining. Take a pleasure peek at our new table-cloths, napkins, place mats, etc. You'll love to own them.

### IRISH LINEN PARAGON SETS

NAPKINS and CLOTHS

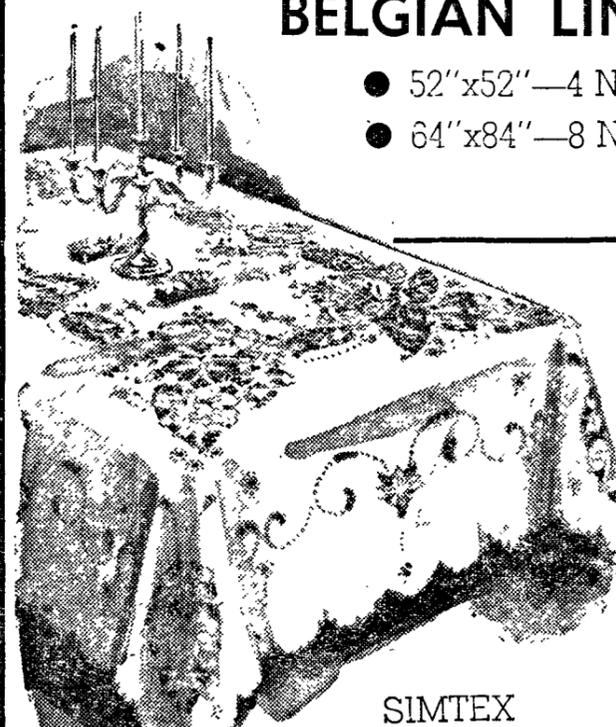
70"x90"	<b>\$19<sup>98</sup></b>
to	TO
70"x126"	<b>\$49<sup>98</sup></b>

WITH NAPKINS

## BELGIAN LINEN CLOTH & NAPKIN SETS

● 52"x52"—4 Napkins—\$3.98	● 52"x70"—6 Napkins—\$5.98
● 64"x84"—8 Napkins—\$8.98	● 64"x104"—12 Napkins—\$12.98

WHITE AND COLORS



SIMTEX

### COTTON DAMASK SETS

- 52"x52" With 4 Napkins — \$5.49
- 52"x68" With 6 Napkins — \$6.93
- 64"x84" With 8 Napkins — \$9.93
- 72"x90" With 8 Napkins — \$11.98
- 64"x108"

With 12 Napkins

## \$12.98

### QUAKER LACE TABLE CLOTHS

**\$3<sup>98</sup>**

to

**\$29<sup>95</sup>**

72" and 90" ROUNDS  
70"x90" 70"x108"

Napkins to Match — 98c Each

WHITE - NATURAL - EGYPTIAN & COLORS

### PURE LINEN TABLE CLOTHS

- 70"x108" - \$10.98
- 60"x80" - \$6.98
- 52"x70" — \$4.29
- 52"x52" — \$3.49

Matching Napkins — 65c Each

### PURE LINEN TABLE CLOTHS

- 70"x90 — \$8.98

SELECTED FROM

## Tiger Talk

ENGLAND AFB  
ALEXANDRIA, LOUISIANA



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