

The Redstone Rocket

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VOL. VII; NO. 17

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

AUGUST 27, 1958

ABMA Missile Firing Lab Has Dual Firing Teams

Can Launch Two Missiles at Once

(Picture Inside)

The The Army Ballistic Missile Agency's dual capability for test launchings of ballistic missiles was capably demonstrated by First Lieutenant Peter S. Conzelman as the monitored count-down operations for the successful Explorer IV satellite launching.

During the last year the Agency's Missile Firing Laboratory has been concentrating on training a duplicate missile firing team. Now achieved, this capability enables the lab to launch two missiles simultaneously if desired. The laboratory is one of 10 supervised by Dr. Wernher von Braun.

The firing teams are headed by Dr. Kurt H. Debus, director of the Laboratory. In his absence or during simultaneous launchings, Dr. Hans F. Gruene, Deputy Director, directs the firing teams or acts as head of one team if dual

'QUICK LOOK' IS USED IN TRACKING

The Quick Look Evaluation of the Explorer V launching was the joint project of teams from the Computation Laboratory and the Aeroballistic Laboratory of the Army Ballistic Missile Agency Sunday morning.

The Aeroballistic Laboratory is responsible for the evaluation and gathering of data from the moment a missile is launched until a final orbit is established.

The Computation Laboratory team members were the veterans who programmed the orbit of Explorer IV's earlier flight pattern. They are Charles P. Hubbard, chief of the Digital Computer Branch, Miss Joan Kassner, mathematician in the branch, two General Electric Huntsville Computer Center men, William Symthe and Ralph Roddy; and three others from the Computation Lab., Dave Aichele, Paul Hurst and John Peddycoart.

When the last signals were reported from Van Buren, Maine and the Explorer V was heard no (See Quick on Page 2)

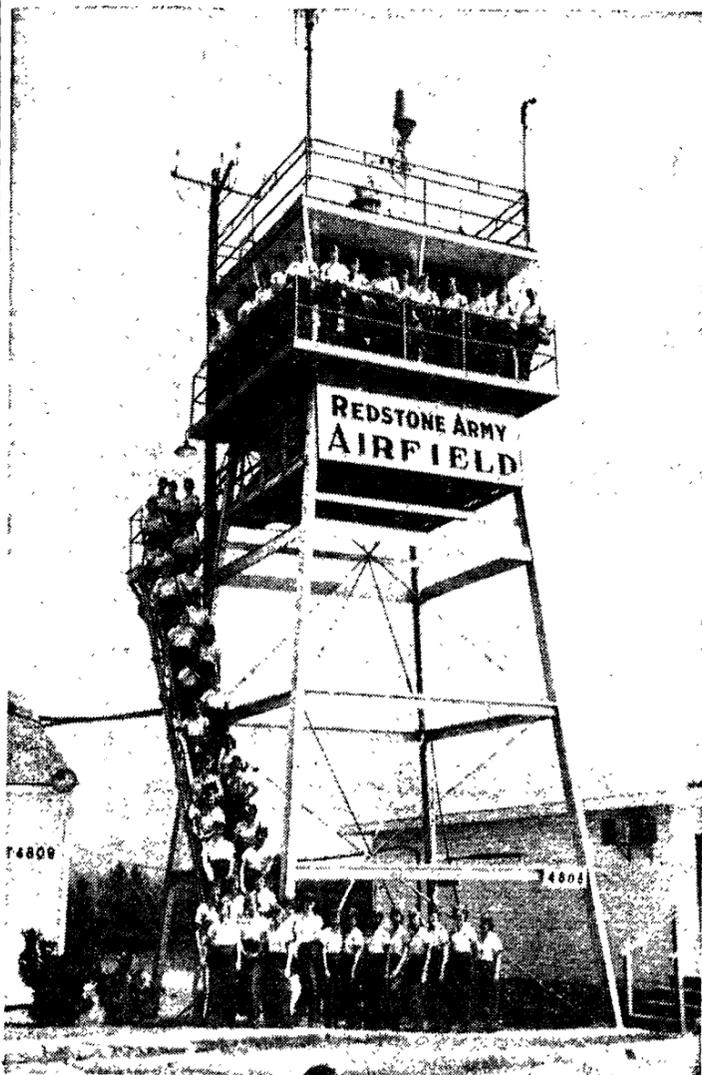
OGMS GRADUATES STUDENTS FROM DENMARK, NORWAY

Denmark and Norway acquired their pioneer missile experts here Tuesday as the first classes of officers and men from the two countries graduated from the Army Ordnance Guided Missile School in a colorful international ceremony.

Sixty officers and men of the Royal Danish Ordnance Corps and the Royal Norwegian Air Force received their diplomas from Col. H. S. Newhall, commandant of the "Space Academy," and heard an address by F. Eugene Newbold, Jr., vice president of the Fairchild Engine and Airplane Company of Bay Shore, New York. Norway was represented officially by Col. O. B. Engvik, air attache of the Norwegian Embassy in Washington, and Denmark by Major Ervin Larsen, senior Danish Army officer here. The ceremony was held in the Redstone Arsenal Theater.

Newbold flew to Huntsville from New York. At 40, he is one of the youngest executives of a major aircraft and missile firm in this country. He is a graduate of Princeton University and now directs the engine division of his firm which has pioneered in the (See OGMS on Page 2)

launchings are scheduled. Robert Moser, Deputy Chief of the Electrical Engineering Guid- (See DUAL on Page 3)



CAP CADETS VISIT — A group of 60 high school girls who are Civil Air Patrol cadets from every state in the Union plus Hawaii, Alaska, and Puerto Rico, pause to pose for their picture during an inspection of the control tower at the Army airfield at Redstone Arsenal. The girls were recently given an all-day tour of Redstone as part of a week long course in Jet Age Orientation they were taking at Maxwell Air Force Base in Montgomery, Ala. Each had been selected as an outstanding CAP cadet from her respective state or territory. In charge of the group was Women's Air Force Capt. Renee Rubin, their course director at Maxwell, who is also an instructor of Air Force Reserve Officers Training Corps classes at Pennsylvania State University—and one of only 10 such WAF instructors in AFROTC throughout the nation.

ABMA Group Attends Astronautical Federation Congress in Holland

Eight representatives from the Army Ballistic Missile Agency will attend the 9th Annual Congress of the International Astronautical Federation being held in Amsterdam, Holland, this week.

Three will present papers during the meeting. They are Dr. Wernher von Braun, Director of the Agency's Development Operations Division, who will present a paper entitled "The Explorers"; Dr. Ernst Stuhlinger, Director of Research Projects Laboratory, who will give a paper entitled "Advanced Propulsion Systems for Space Vehicles"; and H. H. Koelle, Chief of the Preliminary Design Section in the Structures and Mechanics Laboratory, whose paper is entitled "On the Development of Orbital Techniques (A Classification of Orbital Carriers and Satellite Vehicles)."

The remaining five ABMA employees will attend as observers. (See ATTENDS on Page 3)

LAUNCHED BY JUPITER C MISSILE

New Explorer V Satellite Failed to Go Into Orbit

ARGMA APPROVES OML'S SIX LABS

RDL Dissolved in New Reorganization

Brig. Gen. J. G. Shinkle, Army Rocket and Guided Missile Agency Commander, has approved reorganization of Ordnance Missile Laboratories, according to Col. T. E. Wood, Director. OML missions will now be conducted in six major laboratories supported by a Programs Control Office and a Operating Services Office. Rocket Development Laboratories has been dissolved with each of its laboratories reporting directly to the Office of Director OML.

The Research Laboratory missions embrace basic research in the areas of aerodynamics, chemistry, thermodynamics and combustion, physics, materials, magnetohydrodynamics and "Special Projects." In addition this OML segment evaluates proposals on basic research submitted by Office of Ordnance Research.

The Missile Electronics Labor- (See ARGMA on Page 3)

ALL FOUR STAGES FIRED PROPERLY

A Jupiter C missile bearing the Explorer V satellite was launched by ABMA's Missile Firing Laboratory at Cape Canaveral early Sunday morning. The satellite failed to go into orbit, and the following statement was issued by the Department of Defense:

"Explorer V was launched at 1:17 a.m. E.S.T. today (Sunday) as part of the U. S. International Geophysical Year program. Initial data indicated all four stages fired successfully.

"Signals were received during the first few minutes from the satellite. However signals have not been received from at the later tracking stations in its orbital band.

"It appears from the absence of continuing data that the satellite did not orbit.

"Further analysis will be necessary to determine the precise chain of events."

(Other stories on the preparation and launching of Explorers IV and V appear elsewhere in today's Rocket).

* * *

Explorer IV Readied In 85 Days by ABMA

The Army launched its first scientific earth satellite, EXPLORER I, 82 days after receiving the mission from the Department of Defense.

It took the same missile development team 85 days to build and launch EXPLORER IV July 26. Four weeks later EXPLORER V was launched, but failed to obtain orbit.

The Advanced Research Projects Agency of the Defense Department authorized the launching of two more artificial earth satellites May 2. ARPA assigned the task to the Army Ballistic Missile Agency, and the Jet Propulsion Laboratory. Both are ele-

ments of the Army Ordnance Missile Command.

The newest EXPLORERS were to investigate the radiation phenomena at high altitudes first discovered by EXPLORERS I and III. The radiation was reported by Dr. James Van Allen of the State University of Iowa, whose Physics Department designed radiation counters carried in the first two satellites.

The University, the Naval Research Laboratory and the Army Signal Corps cooperated with the Missile Agency and the Jet Propulsion Laboratory to prepare for IV and V. ARPA financed the (See EXPLORER IV on Page 2)

200 EMPLOYEES END SUMMER WORK ON POST

(Photos Inside)

More than 200 employees at the Army Ballistic Missile Agency and the Army Rocket and Guided Missile Agency are concluding Summer employment at the Army's missile center and preparing to return to schools and colleges across the nation.

The largest number of the Summer employes are college students. However, some high school teachers and college professors are also participating. In all, more than 60 colleges and universities are represented in the group.

The Summer program has two-way benefits: it offers participants the opportunity to put their training to practical application, as well as supplement their income; and it helps the agencies fill vacancies resulting from Summer vacations, and interest students in returning for permanent employment after graduation.

More than 1,000 applications for Summer employment were re- (See 200 on Page 10)



GUBERNATORIAL HANDSHAKE — Alabama Governor-nominate John Patterson (left) shakes hands with Karl Hanchey of Huntsville during a tour of Redstone Arsenal last Friday—by approximately 100 high-ranking state officials including 70 legislators. Hanchey is a welder who works on the Jupiter Intermediate Range Ballistic Missile in the Fabrication Laboratory of the Army Ballistic Missile Agency.

The Redstone Rocket

The Redstone Rocket is a privately owned newspaper published every Wednesday by Jack W. Hoffhaus, Huntsville, Alabama, with exclusive regard for the reader interests of personnel at Redstone Arsenal, Alabama, in accordance with an agreement between the publisher and the Public Information Office, Army Ordnance Missile Command, Redstone Arsenal, Alabama.

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OGMS

(Continued from Page 1)

development of a variety of weapons and equipment for the Army. He has also set up working agreements between his company and firms in NATO countries for the interchange of manufacturing knowledge and facilities. The company produced one of the Army's earliest guided missiles, the Lark.

Newbold was accompanied to Huntsville by Eugene Henkel, director of public relations for the Fairchild division. The party was entertained Monday evening by the Huntsville Industrial Expansion Committee at a reception and dinner at the Russell Erskine Hotel.

The Scandinavians have been trained in the maintenance and use of the Nike-Ajax and Nike-Hercules surface-to-air guided missiles under the mutual defense provision of the North Atlantic Treaty Organization. They now move to the Unit Training Center of the Missile School to be formed into tactical maintenance units.

The graduation brings to three the number of NATO nations whose pioneer missile squadrons have completed training at OGMS. The first Italian units were graduated in May and June.

Eleven NATO nations have sent students to the Missile School, as have the U.S. Army, Air Force, and Marines. The institution now occupies 90 buildings and has a faculty, staff, and student body of more than 3,000.



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Explorer IV

(Continued from Page 1)

The Ballistic Missile Agency was to prepare the main stage JUPITER C rocket, containing the guidance and control systems; assemble the satellites, wire them, subject them to environmental testing and balance them for the multi-stage configuration.

Faced with the unprecedented requirement to orbit the first of the two satellites in approximately eight weeks and follow up with another shortly afterward, Missile Agency directors set up crash programs to modify available hardware and re-package the satellite instrumentation for the scientific tasks.

Brig. Gen. J. A. Barclay commands the Agency. Dr. Wernher von Braun directs the technical work of 10 laboratories which constitute the Army's long-range missile team.

The two JUPITER C missiles had originally been allocated to the reentry program associated with development of the JUPITER Intermediate Range Ballistic Missile. They had been put in storage when, in August 1957, a scale model JUPITER nose cone was successfully recovered at sea after a 1,200 mile flight — indicating a solution to the aerodynamic heat problem.

The JUPITER C main stage, or booster, is a modified REDSTONE Ballistic Missile. These two boosters had been fabricated and assembled by the Chrysler Corporation, prime contractor for the REDSTONE system. The necessary modifications were completed by the Missile Agency's Fabrications Laboratory under supervision of H. H. Maus. Some Laboratory personnel worked as much as 50 percent overtime during short stretches of the project.

After modification of the booster, including elongation of the ballistic shell, installation of larger fuel tanks, and addition of the instrument compartment containing the specially designed guidance and control systems, the Test Laboratory subjected the missile to rigorous testing.

On May 12 the JUPITER C employed EXPLORER IV was moved to the Systems Analysis and Reliability Laboratory, directed by E. W. Neubert, for final check-out. Then it was returned to the Fabrications Laboratory and prepared for airlift to Cape Canaveral, Fla.

The main stage, upper high-speed stages provided by JPL and

the satellite reached the Army hanger at Canaveral July 15. Balancing of the satellite and the fourth stage rocket engine was completed July 19. Then the fully assembled configuration was erected on the launching pad awaiting the firing at 10 a.m., EST, July 26.

Static firing of the JUPITER C used for the EXPLORER V mission took place at Huntsville in late May. It was prepared for air shipment July 15 and arrived at Canaveral the next day.

The spin launcher assemblies used in both missiles underwent major modification. Upper stages of the JUPITER C, when employed for satellite launchings, are spin stabilized by electric motors. Since the launcher was initially prepared for reentry purpose, the spinning "tub" rotated at lower speed. The motor assembly required modifications in order to produce the 750 rpms in flight essential for the satellite launching.

John A. Rist of the Fabrication Laboratory's top unit worked on this phase of the project under supervision of Max Siebigteroth, chief of missile assembly.

Dr. Ernest Stuhlinger, who directs research projects in the missile Agency, was the test objective coordinator for both EXPLORER IV and V. Heinz Kampmeier coordinated the project. Josef Boehm, chief of the electro-mechanical engineering branch in the Guidance and Control Laboratory, was project engineer and directed assembly of the satellite which he designed.

Personnel working under Boehm's supervision were placed on a 24-hour day for a month prior to launching of EXPLORER IV. Dr. Walter Haeussermann, G&C Laboratory director, was responsible for the guidance and control systems. He also supervised the development of these systems for the REDSTONE and JUPITER missiles.

The trajectories of the two EXPLORERS were plotted by a unit of the Aeroballistics Laboratory supervised by Dr. E. C. Geissler. Pvt. Martin Schrader, Army scientific and professional specialist, accomplished the work. Plotting of the EXPLORER IV trajectory began June 15 and was completed July 1; for EXPLORER V the plotting began July 25 and was finished August 1.

Since Dr. Van Allen and the IGY Committee of the National Academy of Sciences wanted the broadest possible investigation of radiation, the trajectories were designed to place the EXPLORERS in as northerly an orbit when launching from Canaveral.

The Structures and Mechanics Laboratory under W. A. Mrazek, playing a key role in propulsion and configuration aspects of Army missile development, provided data on engine performance, fuel consumption, missile weight and thrust.

The mass of data, adapted to a formula devised by Otha C. Jean of the Aeroballistics Lab for plotting satellite trajectories, was funneled into the Computations Laboratory. The results were distributed to tracking stations of the Army and Navy which would record the orbital movements of the EXPLORERS.

In addition to providing the three upper stages of the JUPITER C rocket, the Jet Propulsion Laboratory furnished one radio beacon, sub-carrier oscillators and the steel shell of the satellites. The other radio transmitter came from the Naval Re-



search Laboratory while the Signal Corps provided the compact satellite batteries.

Close contacts by teletype, phone and plane trips were kept up by the Missile Agency, JPL, the State University of Iowa and NRL. The University designed and assembled four radiation counters for each satellite designed to provide many thousand times the accurate counting of EXPLORERS I and III.

Major Gerald Ledford was the Missile Agency's project officer for EXPLORERS IV and V. When he left in late July to enter the Command and General Staff College, his place was taken by Captain Peter C. Kostoff.

Among the other firms supporting the Missile Agency's part in the projects were the Rocketdyne Division of North American Aviation, who furnished the first stage engines; the Ford Instrument Company, who supplied components for the guidance and control systems and the Reynolds Metals Company, who furnished the ballistic shells.

QUICK

(Continued from Page 1)

more, the team fed the computers the first phase of the Aeroballistic program to calculate the trajectory up to injection into orbit and predict the first orbit. The second phase which determines the orbit parameters accurately wasn't used.

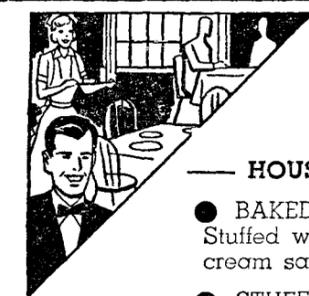
The flight and Evaluation Branch chief of the Aeroballistic Laboratory, Dr. Fridtjof Speer, and his team were ready. The team includes Fletcher Kurtz, John Sheats and Miss Ann Richardson. They were alerted before firing because their job is to gather and evaluate all the information available from the moment the missile is launched until a satellite goes into the final orbit. The flight path is followed with radar and microlock systems.

Beforehand, the Future Projects Branch calculates the parameters for the standard trajectory of the Jupiter C missile and furnishes the flight program which is fed to the intricate guidance and control systems before launching.

Now, calculations will be made to determine whether Explorer V met a watery or fiery death, or whether its signal system failed and it is silently keeping company with earlier satellites circling the earth.

As scientific detectives, the teams are still on the job. From the signals picked up on the East Coast at Patrick Air Force Base, Aberdeen Proving Ground, and Fort Monmouth, as well as the Signal team set up at Redstone Arsenal, the scientists will try to find Explorer V. Or, if they can't find it, they'll know why.

The men manning the receiving station here included Ben Blizzard, Gifford Moak, W. D. Crye, Frank Grobner, and Geray McManus.



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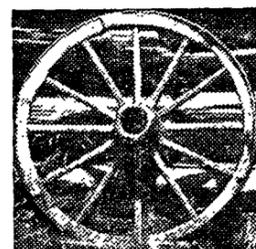
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LT. PETER S. CONZELMAN of ABMA's Missile Firing Laboratory is shown as he monitored the countdown operations for the successful Explorer IV satellite launching. (See story front page).

Dual

(Continued from Page 1)

ance and control Branch, is countdown coordinator. He has been associated with Army missile launchings since 1953. Lt. Conzelman is one of Moser's understudies or counterparts. Another is Dewey Childs. When functioning as countdown coordinator in the absence of Moser or during dual launchings, Lt. Conzelman directs the countdown and coordinates countdown activities with other launch area operations. During the Explorer satellite launching, he acted as countdown coordina-

tor and monitored the operation of the blockhouse control panels. He was also responsible for the coordination of the activities of personnel within the blockhouse who operate the control panels. These panels monitor the operating systems of Jupiter C missiles and instantly report any trouble areas that occur during the launching procedure.

Key personnel at the blockhouse panels during the Explorer launching was: Isom A. Rigell, in charge of the Power Panel; C. Downing Sweat, Propulsion Panel; Terry D. Greenfield, Cluster Control Panel; Carl A. Whiteside and Charles A. Turner, Gyro Control Panel; Marion Edwards, Telemetry Recording Panel; Grady Williams and Russel P. Clay, Measuring; Waldron P. McKin, Dovap and Leroy R. Sherrer, Scales. Major Ballard Small coordinated data between the blockhouse and central control.

Lt. Conzelman has been with the Laboratory since September, 1956. A graduate of the U. S. Military Academy, he received his commission in July, 1953.

He completed training at the Infantry School, Ft. Benning, Ga., in December 1953, and served for more than a year in the Far East.

Fire-Fighter Trainee Positions Open Here

Applications are now being received for trainees for Redstone Arsenal Fire Department, it was announced by the Fire Marshall. Trainees are employed at GS-3 with a promotion to GS-4 upon satisfactory completion of the training program.

Applicants must be between the ages of 21 and 28 and have had 18 months experience as follows:

1. As an active and regular member of an organized city or volunteer fire department using motorized equipment; or
2. As a firefighter in a military or industrial establishment or comparable plant or institution using motorized equipment; or in
3. Any time equivalent combination of 1 and 2 above, or
4. Any type active duty military service.

As this is a noncompetitive program, applicants must have Career or Career-conditional status. They could not go into the position noncompetitively if serving under a temporary appointment.

Those who wish to be considered should request their foremen to submit their names on a Disposition Form to Miss Dorothy Hodges of the RSA Civilian Personnel Office, Bldg. T-3161, Redstone Arsenal, or, if they prefer, they may submit Standard Form 57, Application for Federal Employment, direct to her.

ARGMA

(Continued From Page 1)

atory, formerly Air Defense Laboratories, is responsible for prosecuting supporting research and engineering development in radio and electronics sciences as applied to guided missiles. Its mission encompasses antennas, applied physics, circuit development, computer development, control systems, infra-red and satellite defense.

OML's assigned mission in the field of propellant composition and application, combustion of propellants and research on structural materials and fabrication techniques as applied to propulsion systems, are performed by the Propulsion Laboratory, formerly the Materials Laboratory.

The agency is an element of the U. S. Army Ordnance Missile Command.

Design and development research leading to prototype fabrication and testing of experimental type missiles, power plants, launchers and associated equipment, is assigned the newly created Design and Development Laboratory.

The Test and Evaluation Laboratory provides test and evaluation services on rockets and missile systems and their components. In addition, it provides, maintains and operates range facilities, environmental testing equipment, instrumentation and data reduction as required.

The Systems Analysis Laboratory, formerly Technical Feasibility System Office performs continuing studies of weapon system, for future development. Such studies include ground-to-ground, surface-to-air and other weapon systems.

The Programs Control Office is the focal point of all missions assigned to the OML Division. It develops and prepares tangible plans and projects to meet overall requirements for rocket and missile systems and components, performs development support mission functions, and provides management and engineering assistance in areas of planning exe-

Attends

(Continued From Page 1)

They are Dr. Walter Haeussermann, Director of the Guidance and Control Laboratory; James Farris, Chief of the Guidance Section in the Guidance and Control Laboratory; Dr. E. D. Geissler, Director of the Aeroballistics Laboratory; Dr. Charles Lundquist, Chief of the Physics and Astrophysics Section of the Research Projects Laboratory; and Lt. Col. G. H. Drewry, Chief of the Special Studies Section of the Control Office.

The Congress is sponsored by the American Rocket Society.

Returning to the U. S. in November, 1955, he was a student officer at the Ordnance School, Aberdeen Proving Ground, Md., prior to his assignment with the Missile Firing Laboratory.

Lt. Conzelman is an amateur photographer, and speaks the Russian language fluently. He is the son of Mrs. Marjorie S. Davis of 135 State St., Montpelier, Vt. The Army Ballistic Missile Agency is an element of the Army Ordnance Missile Command.

cution, review and analysis of assigned OML missions.

Technical and administrative services such as library reference, supply support, technical reports, publications and technical illustrating services are provided by the Operating Services Office.

All administrative and management functions have been centralized under the Operating Services and Programs Control Offices respectively. Operations Branch of former RDL is now Projects Branch, part of the Programs Control Office.



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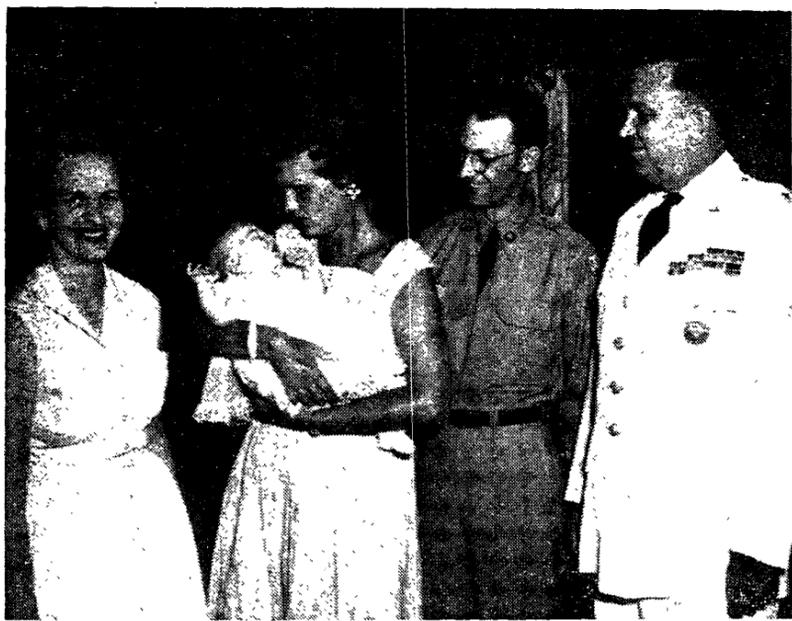
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SERGEANT'S DAUGHTER CHRISTENED—Monica Marie Mesick, infant daughter of Sergeant and Mrs. Nelson Mesick, was christened in a ceremony at the Post Chapel last week by Chaplain (Major) James Goewey. Witnesses for the ceremony were Brigadier General and Mrs. J. M. Colby. The general is the deputy commander of the Army Ordnance Missile Command. The sergeant is his chauffeur. Following the ceremony, the group gathered at the general's quarters. Left to right are: Mrs. Mesick, Mrs. Colby holding Monica Marie, Sgt. Mesick and General Colby.

'Back to School' Costume Ball Theme Officers Club Dance

A "Back To School" costume ball, with international flavor, will be the theme of the Sept. 6th dance to be held at the Redstone Officers Club, Bldg. 7131, announced Chief Warrant Officer Henry Arrott, committee chairman. International flavor, explained CWO Arrott, promises to be provided by both the "real McCoy," (foreign officers attending Arsenal schools) and traveled US Army Officers, ersatzing in lederhosen



MRS. CHARLOTTE F. CHESNUT

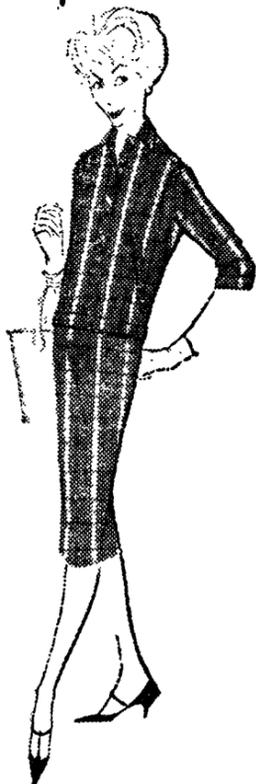
Mrs. Chesnut Leaves For Meetings in Holland and England

Mrs. Charlotte F. Chesnut, Chief of the Technical Documents Library, Army Ballistic Missile Agency, at Redstone Arsenal, left recently for a meeting of the International Astronautical Federation in Amsterdam, Holland. Mrs. Chesnut will also attend a meeting of the Association of Special Libraries and Information Bureau in Nottingham, England. She was selected by the Special Libraries Association to represent that organization at the meeting. From there, Mrs. Chesnut intends to visit the National Lending Library, the Library of the Meteorological Office, the New London Observatory, and the Department of Scientific Information and Research in London. Before returning to the U. S., she will visit parts of England and the World's Fair at Brussels.

from Heidelberg, and kicking in kilts from Bonnie Scotland. It was reported that at least a dozen U.S. university and school representatives have already started organizing dance parties. Prizes will be offered for the best costume, the best depiction of a character or period, and the best comical outfit. Reservations, limited to 180, may be made through the Club Secretary, ext. 7341.

WILLA'S

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Key Personnel at Jupiter Symposium

A Jupiter Symposium was held Thursday at the Rocket Auditorium to brief key Army Ballistic Missile Agency echelons with aspects of the Jupiter program. The scope of the program included the Jupiter Deployment Program, launch site operations, Jupiter training, contractor supply programs, Jupiter logistic management program, Squadron

Officers Wives Club Held Regular Meet

The Redstone Arsenal Officers Wives will hold their regular monthly luncheon meeting in the park at the Squirrel Hill officers club on Tuesday, Sept. 9. Hostesses for this occasion will be the ARGMA wives. The permanent reservation list has been discontinued. Reservations must be made by noon Monday, Sept. 8. For reservations call Mr. O. L. Knight, ext. 3457, Mrs. M. L. Fuller, ext. 8457, Mrs. H. W. Forner, Jefferson 2-2651, Mrs. R. H. Sforzini, Jefferson 6-7354. For nursery reservations call extension 3958. Dress will be casual. Price...\$1.25. There is no limit on reservations. Y'all come.

and Operational concept, equipment and management philosophy. In addition to the ABMA briefings by personnel of the Air Force Jupiter Liaison Office, the 864th Strategic Missile Squadron, the Chrysler Corporation Missile Division, Ford Instrument Company and the Rocketdyne Division of North American Aviation. Approximately 180 persons attended the Symposium.

NOTE OF INTEREST: The Officers Wives annual dues of \$3.00 will be payable in Sept. Dues may be paid by check or cash. Make check payable to the Officers Wives Club and mail to Mrs. E. M. Dooley, treasurer, Qtrs 269B, Redstone Arsenal, or give it to her at the September luncheon.

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OFF THE GOLD STANDARD — Lt. Col. W. B. Hawkins (second from left), and Lt. Col. Claude E. Cason (right), are off the gold standard. Announcement of their promotion from major to lieutenant colonel was made by Colonel H. S. Newhall, OGMS Commandant, last week. Lt. Col. Hawkins, executive officer of the Ordnance Guided Missile School, has his new silver leaf pinned on by Colonel Newhall, while Lt. Col. Ernest W. Ewbank, assistant commandant of OGMS, adds the new insignia to the collar of Cason, who is the commander of the School Troops Unit at OGMS.

Donald H. Stewart Is Rocketdyne Representative Here

Donald H. Stewart has been appointed Rocketdyne representative at Huntsville, according to an announcement by E. F. Brown, Director of Plans and Programs for the North American Aviation Division.

Rocketdyne's increased activity in supplying rocket engines for the Army Ballistic Missile Agency's expanding requirements in the Redstone and Jupiter missile programs and the Jupiter research program indicated the need for the newly created position, Brown said in announcing the appointment.

Stewart will act in a liaison capacity with the Army Ordnance Missile Command, the Army Ballistic Missile Agency, and the Army Rocket and Guided Missile Agency, as well as the Chrysler office at Huntsville.

Prior to joining Rocketdyne Field Service in 1956, Stewart was administrative assistant project engineer for the Roylyn Co. Earl-

ier he had operated his own flying school, and served as test pilot for the Martin-Nebraska Companies in Omaha.

Stewart will continue his residence where he has previously been in charge of Rocketdyne Field Service operations.

The man who will use his skill and constructive imagination to see how much he can give for a dollar, instead of how little he can give for a dollar, is bound to succeed.

—Henry Ford

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INCENTIVE AWARDS

Sustained Superior Performance Awards have recently been received by the following persons at Redstone Arsenal:

Gerrold Robbe, ARGMA Field Service Division; Donald C. Koehn, ARGMA-FSD; Linka O. Butler, W. Marion Legg, Reverdia Rodrigues, and Margaret O. Adams, all of RSA Depot Operations Div.; Norman C. Schaefer, ARGMA Industrial Div.; Myrtle G. Brannon, RSA Adjutant's Office; John W. Rozillo, ARGMA Field Service Div.; William J. Marks, Jr., ARGMA-FSD; Benjamin Tee-

ter, ARGMA-FSD; Mrs. Douglas J. Roddy, Carl J. McElyea, Mrs. Barbara Allen, of ABMA Development Operations Div.; John Cresap, ABMA-DOD; Mrs. Sylvia Parham, ABMA Personnel Office; James L. Moses, ABMA-DOD; George L. Wyatt, Jr., RSA; and James S. Loy, AOMC Protocol Office.

Outstanding Performance Ratings plus Sustained Superior Performance Awards have been received by the following:
Rebecca Alley, of ARGMA R&

Clemson Alumni Group Being Formed

Lts. Joe Land and Bruce Hall are heading a campaign to form a Huntsville Chapter of the Clemson College, S. C., Alumni Association. Lt. Land can be contacted at Ext. 8552 after duty hours, and Lt. Hall can be reached at JE 6-5581, ext. 38. Anyone interested in becoming a member of the chapter should contact one of them.

D Div.; Mrs. Marjorie Little, ABMA Personnel Office; Carl Duckett, AOMC Signal Office; Herman W. Kroeger, ABMA-DOD; and Mrs. Mary Jane Day, ABMA-DOD.

Paul Grivet, ARGMA Ind. Div., recently received an Outstanding Performance Rating.

Cury L. Dunn, of ARGMA Ind. Div., recently was presented a check for \$400 as a Suggestion Award.



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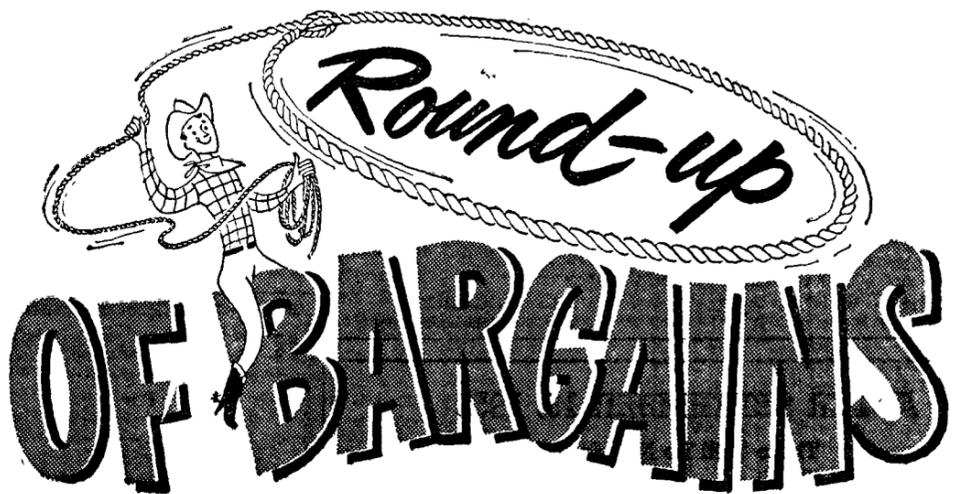
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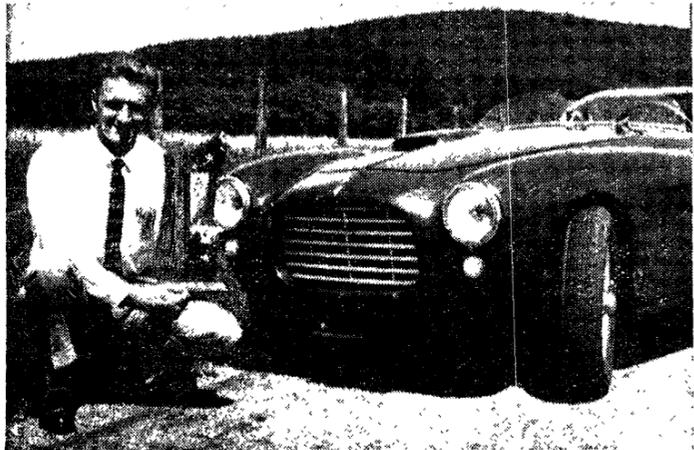
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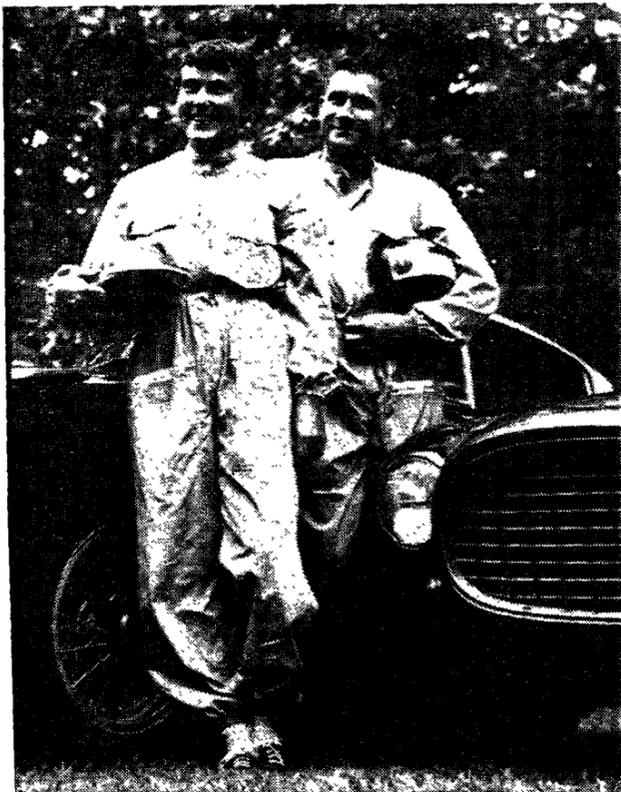
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WINS RACING TROPHY—Fred C. Trueman, a Chrysler Corporation employe on temporary assignment with the Structures and Mechanics Laboratory at the Army Ballistic Missile Agency, won first place trophy in a novice sports car race held recently at Hammond, La. Trueman's car is a modified Italian Siata with a 1100 cubic centimeter (66 cubic inches) engine which develops about 65 horsepower and will turn 7,000 revolutions per minute. Top speed for the car is about 90 MPH. In the Hammond competition, Trueman entered the division for under 1600 cc production cars and under 1100 cc modified cars, averaging 64 MPH to win first place. He finished two seconds ahead of the second place car. An Army Rocket and Guided Missile Agency employe, Dr. William C. McCorkle of the Ordnance Missile Laboratories, was first in the division for production cars with engines of over 1600 cubic centimeters. He drove a Corvette. Trueman also won first place in his class in a recent Hillclimb at Birmingham, Ala. He is now eligible for regular competition and plans to enter the Courtland, Ala., sports car race scheduled for Aug. 31st. He is the son of Mr. and Mrs. Charles C. Trueman of Sandusky, O. He has been assigned with the Structures and Mechanics Laboratory since October of last year.



RACERS—"Chuck" Saffell, Gilfillan Bros. representative on the Arsenal, and his wife, Audrey, will both drive their Italian Ferrari automobiles in the Courtland Road Races on Sunday, Aug. 31.

Arsenal Personnel To Drive Cars in Races at Courtland

The fourth annual Courtland Road Races will be held on Aug. 31 at Courtland, Ala., approximately 20 miles west of Decatur.

will play the Gurley Little League team.

The field will be formally named the "Explorer Field" in honor of the U.S. Army Explorer Satellites.

The new field was constructed by the Post Engineers under the supervision of Col. H. H. Northington, Post Engineer.

The public is invited to attend the afternoon's events. Saturday's games will complete the Little League's activities for this season.

Little League coaches this year are: Lt. Col. Neal Haggard, Capt. James Bishop, Lt. D. L. Gothard, and Lt. R. E. Hineman.

This event will be sanctioned by the Sports Car Club of America and sponsored by the Decatur JC's.

A field of 60 of the fastest sports racing cars in the south is expected to run in the five events on Sunday. Last year's race drew 75 entries, some from as far as Miami and Washington, D.C. Among this year's starters will be some of the world's fastest sport cars — Maserati, Ferrari, "D" Jaguar, Porsche Spyder, and Lotus. The Courtland road course is 3.5 miles in length with 14 turns both left and right and has a one-mile straight on which the most powerful cars will duel at speeds in excess of 150 miles per hour.

The Sports Car Club of America drivers are amateur sportsmen and sportswomen who drive only

Pistol Tourney Held

The Post Pistol Tournament was held Aug. 17 at the Redstone Arsenal Pistol Range. The U. S. Army Garrison team "A" headed by Capt. Joseph A. Myers, 291st Military Police Company with firing members Capt. Calvin C. Guffey, 291st MP Co.; 1st Lt. Paul F. Brinkpeter, Det. "B"; and Sgt. Henry Bieganski, 291st MP Co., won the match with a score of 1774.

Runner-up was Team "A" of the Ordnance Guided Missile School headed by Capt. Luther G. Walker with firing members CWO Albert B. Startup, Signal Electronic Detachment; M-Sgt. Edward B. McGowan, Hq. Det. "B"; and Sgt. Ned C. Emmett, and Pic. William F. Vanderpool, both of the First ETD, with a score of 1428.

The match was held according to rules of the National Rifle Association and was sponsored by the Post Marksmanship Committee.

Members of the Redstone Arsenal Pistol Club acted as scorers. Tournament supervisor was Lt. Robert A. Rutledge, Training Branch, Research and Development Division, Army Rocket and Guided Missile Agency.

for fun and trophies. The entire proceeds of the Courtland race go to charity.

A number of civilians and servicemen from Redstone Arsenal who are members of the SCCA will drive their cars in the races. Dan Gates, Wade Ewing, and Joe Alexander will have Crosley Specials; Ray Culp will drive a Gogomobile; Fred Truman will drive his Siata Spyder; Al Dowley will drive an Alfa Romeo; Chuck and Audrey Saffell will drive Ferraris, and Bill McCorkle will drive a Corvette.

The race schedule is as follows: 9 to 10: a.m. — Sunday practice; 10 to 10:15 a.m. — drivers' briefing; 10:30 a.m. — novice race for drivers who have not raced in previous races, 8 laps; 11:30 a.m. — small production and small modified cars, 10 laps; time out for lunch; 1 p.m. — large production and large modified cars, 10 laps; 2:30 p.m. — ladies' race and small sedan race combined, 10 laps; 4 p.m. — Feature race, all classes, 25 laps.

LITTLE LEAGUERS' EXPLORER FIELD TO BE DEDICATED IN SUN. CEREMONY

Explorer Field, the Redstone Little League baseball field, will be dedicated Saturday, Aug. 23 at 3:30 p.m.

Brig. Gen. J. G. Shinkle, ARGMA Commander, and Col. K. T. O'Keefe, Redstone Arsenal Post Commander, will participate in the dedication ceremonies.

The location of the new Little League field is in the Capehart-Wherry Housing area, just off Goss Road.

The games will be played on the new diamond immediately following the dedication. The two Arsenal Little League teams, the White Sox and the Red Sox, each

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Movie Schedule

Wednesday 27 Aug. 58, "Another Time Another Place" starring Lana Turner, Barry Sullivan, Hlynis Johns (M) Time 1315, 1830 and 2030.
 Thursday and Friday 28 and 9 Aug. 58, "Raw Wind in Eden" starring Esther Williams, and Jeff Chandler (M) Time 1315, 1830 and 2030.
 Saturday 30 Aug 58, "The Young Stranger" starring James MacArthur, Kim Hunter and James Daly SPECIAL MATINEE 1000 hrs (F).
 Saturday 30 Aug 58, "As Young As We Are" starring Robert Harland and Pippa Scott (M) Time 1830 and 2030.
 Sunday 31 Aug 58, "The Fiend Who Walked The West," starring Hugh O'Brien and Delores Michaels (M) Time 1400, 1830 and 2030.
 Monday 1 Sept 58, "Walk Into Hell" starring Chipper Rafferty and Francoise Christopher (M) Time 1315, 1830 and 2030.
 Tuesday 2 Sept 58, "Bend of the River" starring James Stewart, Rock Hudson and Arthur Kennedy (M) Time 1830 and 2030.

Democracy is based upon the conviction that there are extraordinary possibilities in ordinary people.
 —Harry Emerson Fosdick

Special Services Activities

Post Gymnasium Operating Hours
 Monday thru Friday 1400-2200
 Saturday, Sunday and Holidays —Closed.

Craft Shop Operating Hours
 Monday and Tuesday—Closed.
 Wednesday thru Friday 1400—1630 and 1730—2200.
 Saturday 0800-1630.
 Sunday 1230-1930

Golf Driving Range and Archery Range Operating Hours
 Monday thru Friday 1400-2100.
 Saturday 1300-1900.
 Sunday and Holidays 1400-1900.

LIBRARY OPERATING HOURS
 Monday thru Friday 0900-2200
 Saturday and Holidays 1000-2200.
 Sunday 1200-2200.

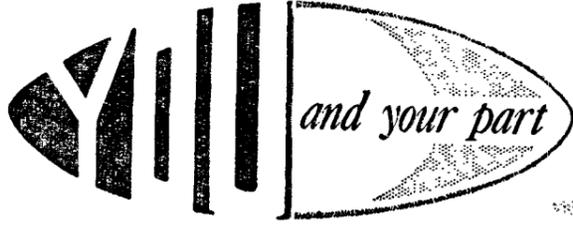
Post Swimming Pool
 Monday thru Saturday 1000 - 2000.
 Sunday 1200-2000.

Odd days of the month are reserved for Enlisted personnel, their families, and guests. Even days of the month are reserved for Officers, their families and guests.

Post Service Club Operating Hours
 Monday thru Friday 1600-2200
 Saturday 1000-2200.
 Sunday and Holidays 0900-2200

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 Monday thru Friday — 1400-2100.
 Saturday, Sunday and Holidays —0900-2100.

My Part in Winning Friends for Freedom



SERVICEMEN around the world have done much to gain for themselves respect for their numerous acts of kindness and helpfulness. They have supported orphanages, aided churches and generally given time and effort (as well as money) to people in other lands. This attitude has earned them much praise and has also earned many friends for the United States. As "people to people ambassadors," US servicemen have many rewarding experiences. One of these experiences may win you as much as \$1,000 in this year's **Freedom's Foundation Letter Writing Awards** program. The program's theme is "My Part in Winning Friends For Freedom." All servicemen are eligible. Letters should be between 100 and 500 words and addressed to **Freedom's Foundation, Valley Forge, Pa.** Deadline for all entries is **Nov. 1, 1958.**

Write Right Now

Ground-Handling Equipment Studied By Committee Here

A new nine-member committee formed by the Assistant Secretary of Defense (for Research and Engineering) to study mobile ground-handling equipment for guided missiles met last week at Redstone Arsenal.

This was only the second meeting for the group, which held its organization meeting at the Pentagon a month ago.

The committee includes eight representatives of industry and one staff member from the Assistant Secretary's Office. They will meet once a month in future at various installations throughout the country. The next

Pvt. Cundy Assigned To Job With Incentive Awards Committee

Pvt. Dick Cundy of Elizabethton, Tenn., has been named special assistant to the Executive Secretary of the Incentive Awards Committee.

Pvt. Cundy will concentrate on processing suggestions from the military.

Redstone Arsenal has saved the government more than \$130,000, according to Frank Holmes, the Executive Secretary.

What is really best for us lies always within our reach—though often overlooked.

—Longfellow

session is slated at Cape Canaveral, Fla., the latter part of September.



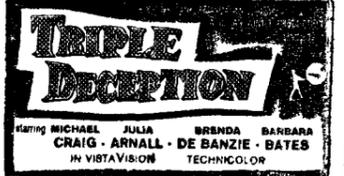
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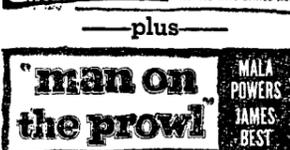


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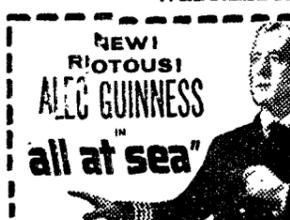
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SUNDAY & MONDAY



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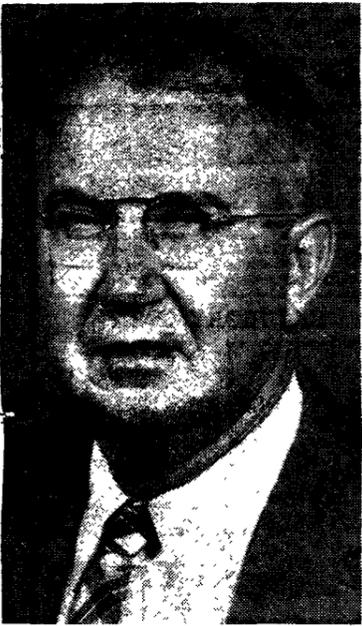
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A 'COMMON' PICTURE—WHICH SHOULDN'T BE! — There's nothing unusual about this picture, so why publish it in a newspaper? These are just boards with nails in them and can be found around most building sites. It's true these are not unusual, says the RSA Safety Office, but they should be! Good safety procedures require that all nails be bent or pulled from scrap material. Because this practice was not followed the office added, the latest RSA civilian injury was recorded. An employe stepped on a nail with one foot and while attempting to free himself stepped on another with the other foot. Results were two painful puncture wounds, infection, and days lost in the hospital. "Follow safety procedures and bend or pull all nails!" reminds the Safety Office.



JAMES S. BERRY

James S. Berry Safety Supervisor of Week

James S. Berry, Chief of Static Range Section, Test & Evaluation Lab, OML has been selected as the Safety Supervisor of the Week because his very fine record as a supervisor and his sincere appreciation for the importance of the elimination of accidents.

Jim, as he is called by all who know him, is a native Huntsvillian having been born and raised

in this section. He began his career as a country boy farmer but has worked as a lumber inspector and construction worker before his employment at Huntsville Arsenal in 1942. He has been continuously employed at Redstone in the same line of work in which he now is since 1950. He has four children, two girls and two boys, one of which is employed as an engineer at Thiokol and the other is a junior at Auburn. He is terrifically proud that he has nine fine grandchildren. He is an ardent fisherman, his best catch being a 22 lb. catfish.

Jim received an over exposure of mustard gas in 1942 which served to make him even more conscious of the importance of avoiding accidents. He is now an active member of the OML Supervisory Safety Committee and since 1943 no employe under his supervision has received a disabling injury. He now lives on a small farm at Lacey's Spring across the river in Morgan County where he has plenty of room for those grandchildren to play and not have to worry about street traffic in crowded towns.

Congratulations Jim Berry for being a good safe supervisor!

The doctors claim that they have the oldest profession, as the removal of Adam's rib was a surgical operation. The engineers claim that theirs is the oldest, as they created order out of chaos. The lawyers win the argument by pointing out that they were the ones who created the chaos.



JOSEPH B. YARBROUGH

Joseph B. Yarbrough Safe Worker of Week

Mr. Joseph B. Yarbrough, of the Guided Missile Maintenance Procedures Shop, Field Service Division, ARGMA, has been named Safe Worker of the Week. Mr. Yarbrough, a tool-die and gage maker, was selected after careful investigation of his good record of safe work practices which includes completion of three years without a lost time injury. This he says is due to the use of safe practices. Keeping your machinery clean, having a clean work area and using the proper tools for the job is always good advice.

Mr. Yarbrough is a collector of old guns. Since guns attract him, that may be why he was employed in the Naval Gun Factory in Washington, D. C., for 17 years. Since his completion of high

Safety Scoreboard

(As of 25 Aug.)

| | |
|-----------------------------------------------------------|-----|
| Days since last civilian disabling injury—28. | |
| Our Goal | 30 |
| Days since last military disabling injury—20. | |
| Our goal | 30 |
| Days since last contractor personnel disabling injury—67. | |
| Our Goal | 100 |
| Days since last government vehicle accident—7. | |
| Our Goal | 30 |

This Is An Engineer?

Here's a definition of the noun "engineer," clipped from the Alabama Engineer Magazine, August issue:

"An engineer is one who passes as an exacting expert on the strength of being able to turn out, with prolific fortitude, strings of

If you ah evosem canxsto! If you have something to do that is worth while doing, don't talk about it, but do it. After you have done it, your friends and enemies will talk about it.

—George W. Blount

No one is really beaten until he is discouraged.

—Sir John Lubbock

incomprehensible formulae calculated with micrometric precision from extremely vague assumptions, which are based on debatable figures acquired from inconclusive tests and quite incomplete experiments, carried out with instruments of problematical accuracy by persons of doubtful reliability and rather dubious mentality, with the particular anticipation of disconcerting and annoying everyone outside of their own fraternity."

(Editor's note: THEY said it—we didn't!)

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school in Winston-Salem, N. C., he has been employed in Newport News, Va., Washington, D. C., by the Naval Research Laboratory and Patrick Air Force Base, Florida. He has been at his present position since March 1954.

Mr. Yarbrough has two sons, Joseph III, and John, and one daughter, Florence all of whom are married. He and his wife now reside in Huntsville.

Congratulations, Mr. Yarbrough for having been selected the Safe Worker of the Week.

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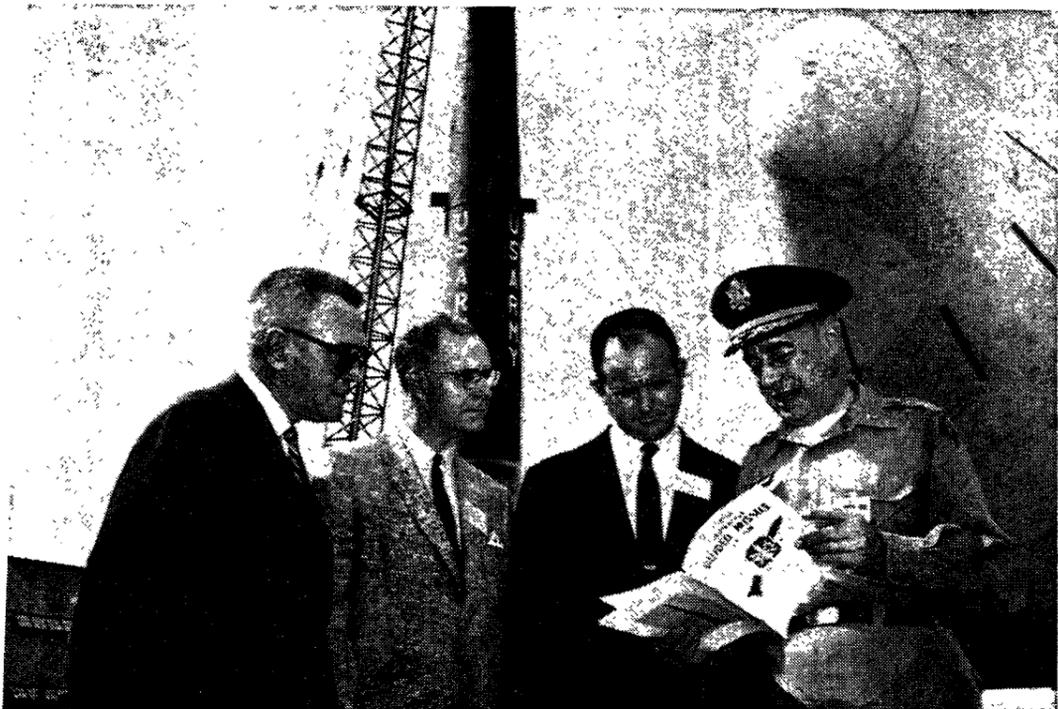
Lucky Winner Will Receive a **\$25.00** Merchandise Gift Certificate

MRS. ETHEL McANALLY is now owner and operator of the Louise Shop, and invites her many friends and acquaintances to visit her new location and see the new fall merchandise arriving daily.

Winner Will Be Announced on Sept. 7

Get Your Entry Blank Today!

—Mrs. Ethel McAnally



GOVERNOR-NOMINATE VISITS — Alabama Governor-nominate John Patterson (second from right) discusses Army missiles with Col. H. S. Newhall (right), Commandant of the Ordnance Guided Missile School, during a visit Friday to Redstone Arsenal. Looking on are Huntsville Mayor R. B. Searcy and Alabama Lt. Gov. nominate Albert Boutwell. Missiles shown in background are Jupiter (at right) and Redstone. A party of about 100 high-ranking state officials, including some 70 legislators, toured Redstone as part of a visit to Huntsville. The group was invited to the "Rocket City, U.S.A." by the Huntsville Industrial Expansion Committee to show them the effect of the Legislature's action in expanding the city limits in 1956.

KP CITED BY OGMS SOLDIER AS LIFE SAVER

Most GI's look unfavorably upon KP. But one young soldier, a former student at OGMS now assigned to Fort Sheridan, Illinois, will always remember one of his KP days, for it probably saved his life and helped him to save the lives of an elderly Huntsville couple.

He is PFC Kent E. Mohr of Peoria, Illinois, who with his wife at 721 East Holmes in Huntsville. After a hard day with the mess sergeant, Mohr returned home at 11 p.m. with his mind set upon a peaceful night's sleep.

It was about 1 a.m. when he heard an explosion on the second floor of the apartment building. Mohr warned the occupants, and then ran to a telephone to report the fire.

Upon returning, one whole side of the second story across the hall from Mohr's apartment was ablaze, blocking a stairway which was the only exit. Trapped by the flames was the elderly couple that Mohr saved.

Hobbs Island Road To Be Closed for Work

Arsenal personnel are advised by the Redstone Provost Marshal Office that the Hobbs Island Road will be closed from Sept. 1 through Sept. 20, during which time the road will be resurfaced.

Forgetting all possible injury to himself, Mohr ran to a window below the couple's apartment, advised them to kick out the window and jump, and he would catch them. By breaking their fall, Mohr suffered back injuries which hospitalized him for several weeks.

"The whole thing happened so fast," Mohr says, "that I didn't have time to find out the people's names. They had just moved into the apartment and we hadn't had the opportunity to get acquainted."

Mohr's courageous action and quick thinking was brought to the attention of the Ordnance Field Safety Office by the OGMS Safety Office. The Office Chief of Ordnance, through Col. H. S. Newhall, OGMS commandant, extended congratulations to PFC Mohr.

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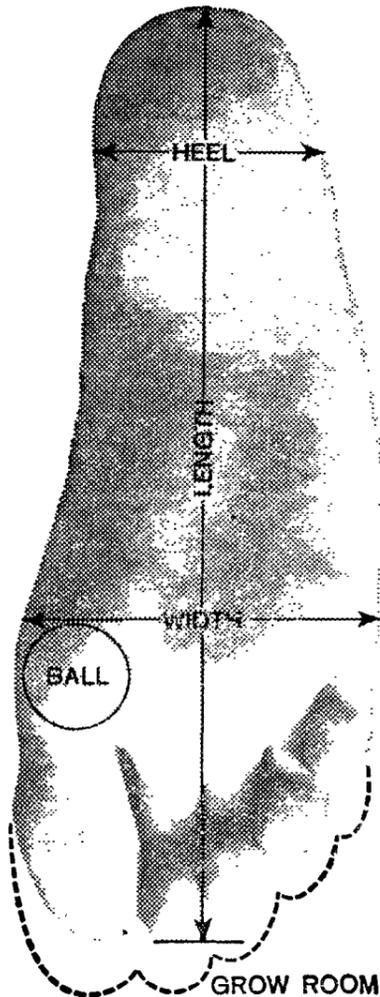
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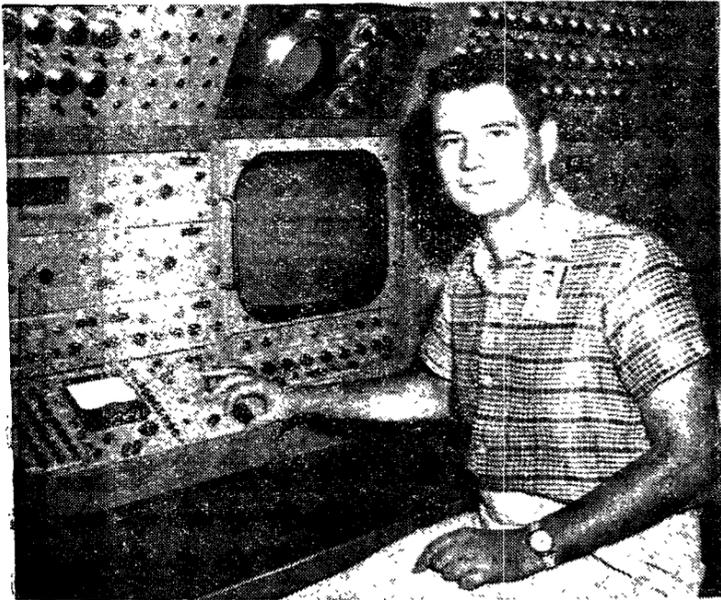
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Summer Employes at Work



ROBERT C. BALENTINE, graduate student from Texas A&M, College Station, Tex., operates the analogue computer in the Computation Laboratory of the Army Ballistic Missile Agency. A Summer employe, Balentine is a mathematician in the Simulation Branch of the Laboratory. He was graduated from Baylor University, Waco, Tex., in 1957 with a B.S. degree in mathematics and is now studying for a Master's degree in the same field. He is a member of the Mathematical Association of America and the son of Mr. and Mrs. Fred R. Balentine of Hearne, Tex.



MISS MARY JO SMITH, physics and mathematics major at Texas Christian University, Ft. Worth, Tex., is one of more than 100 undergraduate students participating in the Summer employment program at the Army Ballistic Missile Agency. She is employed as a Student Trainee (Mathematician) in the Agency's Research Projects Laboratory, where she is conducting calculations concerning a problem in infrared radiation transfer from the earth to an object in space. She is a member of the American Rocket Society, Alpha Chi, and the University's physical society. She is the daughter of Ed Smith of Ft. Worth, Tex.



JAMES R. DICKERSON, electrical engineering student at Snead Junior College, Boaz, Ala., is employed this Summer as a Student Trainee (Electrical Engineer) in the Electronics Laboratory of the Industrial Division at the Army Rocket and Guided Missile Agency. Dickerson, who works on the certification and calibration of electronic equipment, states that the Agency's Summer program gives him on-the-job experience as well as financial help for his education. He was first introduced to the electronics field while serving with the U. S. Air Force. During his four year service he attended the Electronics School at Scott Air Force Base, Ill., and was an aircraft radio maintenance man at Robbins Air Force Base, Ga., prior to discharge. He is the son of Mr. and Mrs. E. O. Dickerson of Albertville, Ala. He and his wife, Myra Jo, also reside at Albertville.

200 Employes

(Continued From Page 1)

ceived this year. Interest is aroused through agency recruiters who mention Summer employment during visits to college campuses. Screening of applications begins as early as January with a final deadline for receiving applications set in March. Applicants are considered in regard to requirements set up by offices planning to use Summer employes. Some request college professors or high school instructors. Others want graduate students or undergraduates. The demand for professors usually far exceeds the supply.

Of the 214 Summer employes hired this year, 18 are women. One-hundred and fifty are employed by ABMA, with the majority working on missile development in the 10 laboratories of the Development Operations Division. They come from 32 states.

ARGMA has 64 Summer employes from 11 states. Twenty-seven are in the Industrial Division, which has national responsibility for procurement of missile components. Thirty-seven are in the Ordnance Missile Laboratories, which concentrate on missile development and testing.

Undergraduate students are employed as Student Trainees in their respective fields, which include mechanical engineering, electronic engineering, mathematics, physics, chemistry, chemical engineering, aeronautical engineering, and industrial engineering.

Graduate students and teachers usually qualify for standard positions in the various professional fields. Grade levels in the Summer program this year ranged from GS-2a, paying \$3,255 annually, to GS-14a, paying \$11,595 annually.

Length of the appointment is usually approximately three months, with certain restrictions set on the amount which can be earned during the period.

Personal News Items Invited by Alabama Engineer Magazine

The Alabama Engineer Magazine, the official publication of the Engineers' Club of Birmingham and the Engineering Council of Birmingham and Jefferson County, invites contributions of personal news items of interest from Arsenal engineers.



DR. WILLIAM D. WILLIAMS, Assistant Professor of Chemistry at Harding College, Searcy, Ark., is one of 10 teachers participating in the Summer employment program at the Army Rocket and Guided Missile Agency. He is employed as a chemist in the Research Division of the Ordnance Missile Laboratories where he conducts chemical research on flame combustion. Dr. Williams received his BS degree from Harding College in 1950 and earned his M.S. and Ph.D. degrees in chemistry from the University of Kentucky. He is a member of the American Chemical Society, Sigma Xi, the Arkansas Academy of Science, and the American Association for the Advancement of Science. During his employment at ARGMA he and his wife and two sons are residing at 217 Max Luther Drive, Huntsville. He is the son of Mr. and Mrs. F. D. Williams of Chattanooga, Tenn.

These items would encompass such things as weddings, births, social events, meetings, promotions, change of jobs, transfers, the magazine points out — or even fish stories!

The magazine's address is: Engineers Club of Birmingham, 608 North 21st St., Birmingham.

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ALL THIS
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FOR SALE — Mossberg .22 Rifle (bolt action). Call Harry Lewis, ext 2248 (office) or ext. 7849 (home). 1tp

DRIVING TO SAN FRANCISCO Sept. 2. Married couple wants two riders to share expense and driving. Call Harry Lewis. Ext. 2248 (office) or 7849 (home). 1tp

FOR SALE — Winchester Rifle, Model 70, 300 magnum. Lyman peep sight and sling. Excellent condition. Price \$75.00. Call Redstone ext. 4764. 1tp

FOR SALE — 6-room, 3 bedrooms draw draperies throughout, metal awnings, 75-ft. lot, 1731 sq. fee, price \$17,000. Immediate possession. 837 E. Moulton St. Decatur. 1tp

FOR SALE — 1956 Plymouth 2-Door, Straight-shift, radio, heater, low mileage. For information call Topper Birney at Ext. 2397 or see at 1422 So. Madison St., Huntsville, Phone JE 2-2792. 1tp

FOR SALE—14-ft. plywood boat, 40 h.p. Scott-Atwater motor, electric starting, tilt-type trailer, steering wheel, windshield, running lights. See at Hale's Trailer Court, lot No. 1, Phone JE 2-5881. 8-30p

ROOMS FOR RENT—Single and double for men with good habits, completely and newly decorated, economically priced. Central Y.M.C.A. Dial JE 4-7131. 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

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 Masseuse in charge. Phone JE 4-7131. ttc

JOHNSON SEA-HORSE Sales & Service, boats, trailers, marine accessories, used outboard motors, easy terms. AUTOMOTIVE PARTS Co., 610 Meridian St., Phone JE 2-5654. ttc

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FOR RENT, modern 6 lot, trailer park in good neighborhood, city utilities, close to schools, shopping and churches, landscaped yard, plenty parking, play area, and concrete patios. \$20 per month. 30 minute drive to Gate 9. Call 248R, Athens, Ala., or see MRS. R. F. SMITH, 513 Sanders St. 8-20p

Patronize the Rocket Advertisers



CONGRATULATIONS FOR COURAGEOUS ACTION — Col. H. S. Newhall, OGMS commandant, presents a letter of congratulations from the Office Chief of Ordnance to PFC Kent E. Mohr, for his efforts in rescuing a Huntsville couple from an apartment building fire. At left is Mr. W. J. Cary, OGMS Safety Officer. To Cary's right is Capt. Rafael Arengo, commanding officer of the First Enlisted Training Detachment, to which Mohr was assigned.

At the Service Club

We never know how many read this column until we erroneously report a forth coming event, and then we are well aware of the number of readers. Nevertheless George Doerner and his Orchestra played for the dance Thursday night; and Chuck Cabot and his Orchestra is scheduled for the dance September 23.

One of the biggest and liveliest dances of the month was the dance Tuesday night. The Birmingham and Huntsville Hostesses were guests of the club. The down-beat was at 8 o'clock and the dance continued until 12 o'clock.

Hats off to the decorating committee: Elliott Pomerantz, Chairman. Elling Melle, Menlo Wildermuth, Bjorn Barstad, Karl Brun, Gustav Nannstad, Truco Colonel Sil Vio, Umberte Malara and Albert Lochli. John Spiro was photographer for the dance.

Speaking of dances, there are two big dances scheduled for the month of September. The first dance is on the 12th and another on the 23rd. Boys don't forget your formal attire. (Formal attire means a TIE.)

Tonight is the last night for the dancing classes. A new series of classes will start on September 3. The beginners class will begin at 7:30 and the advanced class will start at 8:30. Get your reservations in early, cause you know that the classes are FREE. We are still scouting for girls for the classes. Girls, why not practice the waltz, fox trot, and even the rhumba and samba?

Are you a man or a moose? Yes, there are many similarities between man and beast. But what man would every think of turning down a game of BINGO for any other activity. Actually many activities are turned down because we are having an enormous group for the ever-ready game of BINGO. Join us for the first game, won't you??? The prizes are fabulous.

In closing, I would like to remind you that Coffee Call is at 8 o'clock every night. How about a cup?

FRANCES

On the whole, I think we shall survive . . . The outlook is as bad as it has ever been, but thinking people realize that, and therein lies hope of its getting better.
—Jawaherial Nehru

New Speed Limit Set On Patton Rd. Section

A new 40 mph speed limit has been imposed on Patton Road between Gate One and Neal Road. The Provost Marshall cautions everyone using this stretch of Patton Road to observe the new speed limit.

MONEY

for Part-time Farm Owners and folks with Homes in the Country

Ask for details on the low-cost, long-term, real estate loan plan now available from the Equitable Life Assurance Society of the U. S.

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SAFETY OFFICIAL WARNS

Don't Let Death Take YOUR Holiday This Labor Day

BY TOM DAVIDSON
RSA Safety Office

Year in and year out, death takes many holidays; but it is more apt to take your holiday over the Labor Day weekend. A review shows that this holiday weekend is the biggest killer of them all.

Add to this the fact that August was the month in which more people died in traffic deaths during 1957. This still isn't the total problem since the fact that Friday, Saturday, and Sundays are the three greatest death days must be added in. The total of these accident facts will probably be more than 500 dead on our highways over the Labor Day.

Think your chances are good since Alabama reports only a few as its share of the total? You'll be surprised to learn that Alabama has the fourth highest traffic death rate in the United States. It's known that all these tragic facts won't cause many to postpone holiday trips; so consider the following facts:

Many out-of-state visitors are on our highways. They are unfamiliar with our roads and laws, regulations and signals. Some may be more preoccupied with our scenery than our traffic. Some may be just plain lost . . . or checking a road map . . . or looking for a good motel or restaurant.

In addition to visitors, many Alabama drivers are taking cross-country, or long intrastate, trips. Many of them are on strange roads. Some are taking off on their vacations and are in a big hurry to put some mileage behind them. Others are returning from a tiresome vacation. Some are thinking of their almost empty billfolds, or that noise in the motor, or the noisy children in the back seat.

Let's show that famous Southern hospitality to ALL drivers, for safety's sake. Concentrate on sharing the road. Don't try to cheat others out of their part of the highway and don't cheat on speed limits. Relax and enjoy your trip.

The best advice is this: "Slow Down and Live."

While traveling on rural roads and highways, take advantage of the slogan, "See America first . . . there's plenty of time to visit eternity later."

A Labor Day Reminder



HOW'S YOUR ADDITION?

| Labor Day | Traffic Deaths |
|-----------|----------------|
| '51 | 461 |
| '52 | 432 |
| '53 | 405 |
| '54 | 364 |
| '55 | 438 |
| '56 | 435 |
| '57 | 445 |

'58 2980
500?
Don't YOU add to the Total!

SLOW DOWN AND LIVE

A man has to live with himself, and he should see to it that he always has good company.
—Charles Evans Hughes

If men would consider not so much wherein they differ as wherein they agree, there would be far less of uncharitableness and angry feeling in the world.
—Joseph Addison

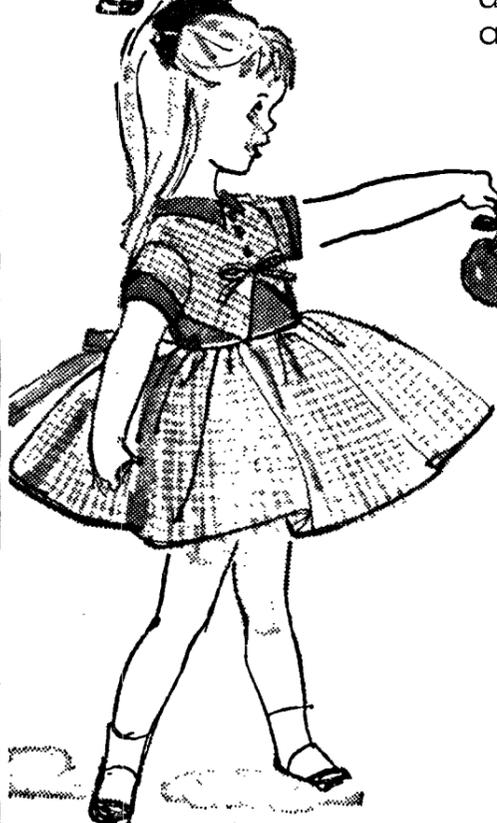
Aversion from reproof is not wise. It is the mark of a little mind. A great man can afford to lose; a little insignificant fellow is afraid of being snuffed out.

—Robert Cecil

Charley Noble



The resolved mind has no cares. | God gives us relatives: thank | Goodwill, like a good na
—George Herbert | God we can choose our friends. | is got by many actions, and
—Addison Mizner | by one.

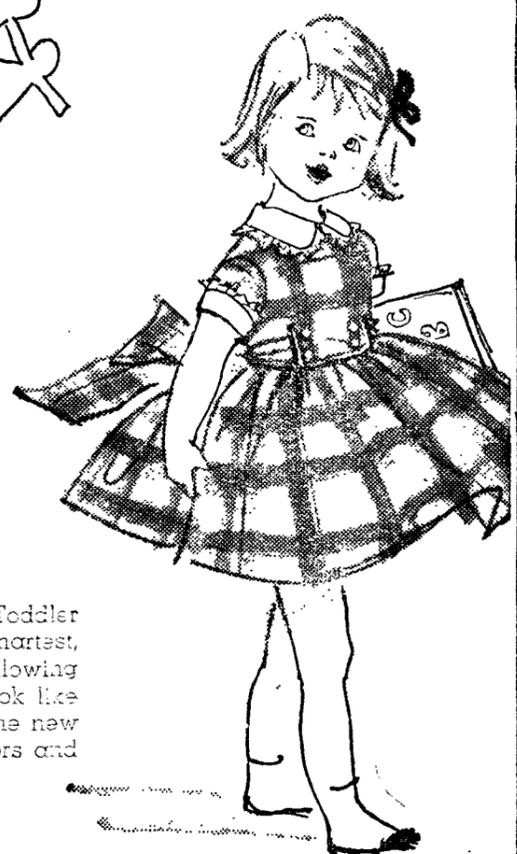


BACK-TO-SCHOOL FASHIONS

BY *Kate Greenaway*

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in a charming Back-to-School wardrobe of the very latest in fashion . . . the shirtwaist trapeze, the Chemise in all its variations, the beloved bouffants. In the liveliest Autumn colors, the most distinguished fabrics, needing so little care. Each and everyone with a pocket.



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