



LT. COL. GEORGE LEVINGS

New Assistant Chief of Staff at NPD

The recently assigned assistant chief of NPD is Lt. Col. George Levings who came to Redstone from the Office, Chief of Legislative Liaison, Department of Army, Washington, where he was on duty as a legislative counsel. Col. Levings is a graduate of the United States Military Academy and received a degree in law from the University of North Carolina. He is the son of Mrs. Clara Levens, Moorehead, Miss., and is married to the former Miss Suzanne T. Dent, daughter of Mr. Mrs. W. D. Dent, Lockhart, Miss. They have a daughter, Mrs. N. J. English, Jr., West Point, Miss., and a son, George E. III, a graduate at the University of Mississippi. The colonel is a member of Chi Omega and Phi Delta Phi fraternities, and the Chicago Bar Association.

S.M.E. Members Circulate Petition

An attempt is being made to establish a "Group" or "Sub-section" of the American Society of Mechanical Engineers here, it was announced by Harold D. Black, temporary chairman. A petition is being circulated among the 49 known members of A.S.M.E. in order to secure necessary number of names to receive recognition from the national society. Before a Group can be recognized, a petition must be signed by 5 members. A Sub-Section requires 50 names on the petition, Black said. Black urged that any person who is contacted and who knows other members of the A.S.M.E. should see that they are contacted. C. E. Hammett (Ext. 5021), J. K. Rohm and Haas Ext. 303), and Mr. Mintz (Ext. 5827) will be acting members.

Courteous Driving Wins Graham Award

Donald I. Graham, Jr., of the Guided Missile Projects Branch, T. E., was awarded the prizes for courteous driving last week for his consideration of a man driving from a parking lot in downtown Huntsville. Graham noticed the man trying to back out of the parking lot during heavy traffic, and stopped his car to allow the driver out onto the street and to enter the flow of traffic. The stranded driver was in a vehicle with no air tag, nor could Graham see his face to possibly recognize him as an arsenal employee. Col. C. J. Lampkin, Third Army Special Services officer, presented Graham the luminous car plate, certificate and cigarette lighter. The colonel was an arsenal visitor, and became interested in the courteous driver contest after hearing about it from General.

GEN. SPRAGINS TO SPEAK
Major General R. L. Spragins, of Huntsville will address Dec. 8 Officers Call. His subject will be "International Air and Defense."

CHAPEL PROGRAM SET FOR DEC. 15

Music and Pageant To Mark Christmas

A large group of arsenal personnel is practicing for a program of Christmas music and a pageant to be presented at 7:30 p.m., Dec. 15 at the Post Chapel. Cpl. Robert Buckner is the director.

During the first part of the program, Pvt. Joe Morrow will play two organ suites of Christmas music. Two vocalists will also be featured. They are Miss Margaret Porter, contralto, who is a PX employe, and has a degree in voice from George Peabody College, and Pfc. Woody Waesche who is a well known arsenal favorite.

Pvt. Morrow has a degree in organ from the University of North Carolina. The 24-year-old soldier is from Waynesville, N.C., and has served as organist at the Chapel of the Cross Episcopal Church in Chapel Hill, N.C., and at the First Baptist Church in Waynesville. He came here recently from Ft. Jackson, S.C., and is a chaplain's assistant. He is a member of the American Guild of Organists.

The title of pageant is "Ye Shall Find a Babe."

The characters are: reader, Col. Thayer; Isiah, Sgt. McElroy; Micah, Sgt. Clary; Mary, Mrs. Ray Fatig; Joseph, Capt. Crum; angel, Pvt. Cliff Landers; Judah, Ray Fatig; Amos, Frank Gasper; Jacob, Fred Barr; Reuben, Pfc. Howard Bohmer who are the shepherds; and three wisemen, Maj. Long, Maj. Rigg and Col. Larson; traveler, Pfc. Bohmer; watchman, Woody Waesche; and 12 angels are yet to be named.

Mrs. Thayer and Capt. Cain are in charge of costumes and make-up for the pageant.

Propellants Expert Will Talk Dec. 4

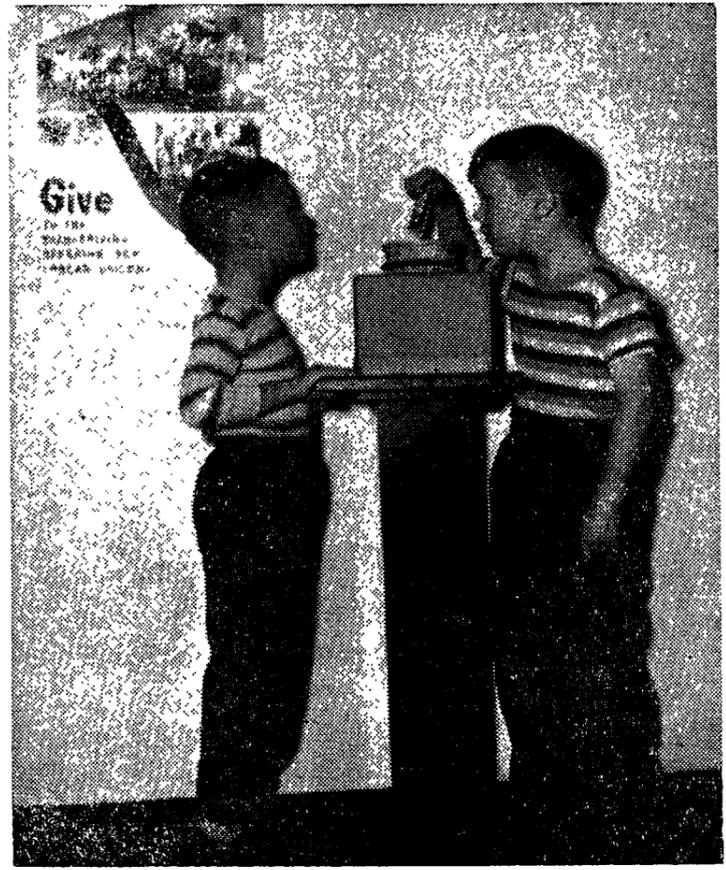
"Physical Properties of Solid Propellants" will be the subject of Mr. William Dale's talk at the next technical meeting sponsored by the Rocket Development Laboratory.

The meeting will be at 8:30 a.m. on Friday, December 4 at the Rocket Auditorium.

Since some of Mr. Dale's lecture contains classified information anyone who wishes to attend and has not informed Conrad Swanson should call him at telephone extension 3-5230.

The lecturer is head of the physical testing section of Thiokol Corp., where he has been a member of the staff since the fall of 1951.

Mr. Dale is a graduate of the



THANKSGIVING OFFERING—With just two more days to go before the drive closes, Michael Becker, left, and Gary Gilino make their contribution for Korean children. The chaplains throughout the states take a collection annually for use in Korea during the Christmas season. The money is sent to Korea for the chaplains to determine the spots where it is most needed. The drive at Redstone closes Dec. 4. (Photo by Pvt. Richard Bauer.)

Letter Lauds RSA For Chest Donation

The following letter, printed with the permission of the commanding general should be of interest to all Redstone personnel who helped make the 1953-54 Red Feather campaign the biggest in Redstone history.

Dear General:
I wish to thank you and the people of Redstone Arsenal for their efforts and generosity leading to a most successful conclusion of the 1953-54 Madison County Community Chest campaign. I am sure you are proud of the fact that this year the personnel of the Arsenal contributed more money than ever before in its history. The total amount from all sources including Civilian Personnel, Contractors and Lessees totaled more than \$11,100. I would like to express my appreciation and compliments on the excellent work of Mr. J. J. Fagan, Col. John O. Law-

University of Tennessee with a master's degree in engineering physics. While at school, he worked as a graduate assistant. During World War II, Mr. Dale served in France.

rence, Lt. Col. Charles Barrett, and Capt. Charles Jacob in making this campaign a success.
Sincerely,
Tom G. Thrasher
Redstone Arsenal Chmn.



DON DAVIDSON

Davidson Transfers To Office in L. A.

Don Davidson, who has been assigned here as deputy chief of the Plans and Operations office, is transferring to the Redstone Resident Ordnance office in Los Angeles.

There he will be the project coordinator of the Corporal missile program.

During his tour here, he has been one of the most sought after speakers by civic organizations eager to hear discussions on guided missiles by a Redstone representative.

Davidson has been at Redstone almost three years, and was first the assistant technical director of the then Guided Missile Center. Previously he was a research engineer for General Motors in Dayton, O., and is a graduate of General Motors Tech.

Mrs. Davidson and their children will accompany him to California, leaving Dec. 4. They have been residing on Monte Sano.

I. A. P. T. D. S.

PROPERTY SALE OPENS DEC. 11

Surplus Goods Go To Highest Bidder

A big surplus property sale was announced for Dec. 11 at Redstone by J. B. Engle, property disposal officer.

Engle announced that 12 compressors, 11 fork lifts, two cranes, two engine assemblies, and two heavy duty electric ranges would be among the items to be sold.

Sealed bids will be received at 2 p.m., Dec. 11 at the Property Disposal Office, Bldg. 701, at the arsenal, Engle said. The property may be inspected by contacting Engle at his office during normal working hours anytime before 1 p.m. on the date of the sale.

Other items to be sold are: two men's bicycles, one bench grinder, one air receiver tank, one lot of four Alemite low-pressure pumps and 17 grease guns, 52 Ford spare wheel carriers, 120 pairs of rubber overshoes, low-quarter, sizes seven and seven and a half (all new), and three 200 horsepower General Electric motors.

All the items, except the overshoes, are used.

The compressors range from a small Westinghouse air compressor to trailer mounted hydrogen diesel engine compressors originally costing \$10,427.

The cranes for sale are one 10,000-pound and one 3000-pound slewing "Yale-Towne."

Two of the fork lifts are of the 2000-pound capacity Mercury type, four are ammunition handling, sparkproof lifts with a 4000-pound capacity and five are electrically operated lifts.

Troop Leave Policy Given for Holidays

Redstone troops (or at least most of them) will be able to spend holiday time at home, if they want to.

A recent memorandum from the Adjutant states that training at Redstone will be suspended from Dec. 21 through Jan. 3.

Unit commanders will insure that minimum operational requirements, necessary guard and fatigue, are met, including all requirements of current operational plans.

And to make sure that troops have money enough for the holidays, the Finance Officer will pay a Christmas partial payroll on Dec. 18.

"Within the limitations of the foregoing policy," the memo states, "Commanders will make every effort to insure that all personnel who are eligible and who desire leave will be permitted to spend the Christmas or New Year holiday periods, or both, at home."

All leave is subject to emergency recall, the memorandum warns, and individuals are responsible for reporting back to their units in case of such a recall.

SOLDIERS GET G. C. MEDAL

Seven soldiers at Redstone have recently received the good conduct medal. They are Sgt. John F. Zimmerman, Cpl. Russell Brickley, Cpl. David L. Gladstein, Cpl. John Nogus, Cpl. George Reich, Pfc. Harold D. Freeman and Pfc. Harry May. All except Cpl. Reich of the 9615 TSU, are from the 9352 TSU.



3A OFFICER MAKES PRESENTATION—This courteous driver, Donald I. Graham, Jr., (center) receives his car plate, lighter and certificate from Col. C. J. Lampkin, Third Army Special Services officer as Gen. Vincent views the ceremony. Col. Lampkin was an arsenal visitor last week, and expressed interest in the contest for courteous driving. (Photo by Sgt. Dick Coddington.)

21 SHOPPING DAYS LEFT
FIGHT TB!
BUY CHRISTMAS SEALS

The Redstone Rocket

The Redstone Rocket is a civilian enterprise newspaper published every Tuesday in the interests of Redstone Arsenal personnel. It is published by special agreement between Jack W. Hoffhaus, Hartselle, Ala., printer, and the Civilian Welfare Council, Redstone Arsenal, Huntsville, Ala.

The Rocket is NOT an official or semi-official Army or Ordnance Corps publication. Policies and statements reflected in the news and editorial columns represent the views of the individual writers and under no circumstances are they to be construed as those of the Department of the Army.

All editorial material for publication must be submitted to the Public Information Section, Bldg. A-101, Tel. 3-2123.

All advertising and ad payments are handled by Mrs. Zillah Newsome, Twickenham Hotel, Huntsville, Ala., Tel. 670, as representative for Jack W. Hoffhaus. Appearance of advertisements of products or services in The Rocket does not constitute an endorsement by the Department of the Army.

The Redstone Rocket is Distributed free of cost to personnel at Redstone Arsenal. Mailing rates for The Rocket are \$3 a year, or \$1.75 for six months. Mailing arrangements must be made with Jack W. Hoffhaus.

AN ICE CREAM CARTON

On Friday, Nov. 20, a number of empty ice cream cartons were placed at strategic locations over the arsenal for the collection of money for Korean war orphans.

One of these cartons was placed on the receptionist's desk in Headquarters, Bldg. A-101. A hole was cut in the top and a legend stating simply "Korean Children" was penciled around the edge.

During the course of the day, several persons dropped pennies, nickles, and dimes in the carton. A few dug deep and deposited quarters and half-dollars. The carton grew heavier until, by the end of the working day, an estimated two or three dollars had been deposited. Not a lot of money to most of us, but to the hungry and cold orphans of South Korea, there two are three dollars would have meant a great deal—milk for hungry babies, bread and rice for hungry children.

This was Friday. On Monday morning the money was gone. A thief had simply taken the cap off and emptied the money in his pocket. It was that easy, for who would have suspected that anyone—anyone at all—could steal from orphans.

Not a pretty story to tell to the people of Redstone Arsenal, who (most of them) work so hard for, and give so generously to, any and every worthwhile cause. It is the kind of story that makes one feel empty and helpless and outraged. It is the kind of story, like the Greenlease murder, that causes one to shudder at the knowledge of the lowness to which a human being can fall. But it is a true story—a story that happened right here at Redstone.

There are about 8000 of us at Redstone—civilians, soldiers, and contractor employes. And out of 8000 there is one so badly in need of two dollars, so completely devoid of moral responsibility, that he stoops to the unutterable baseness of stealing from war orphans.

Probably the thief will never be caught. Maybe it doesn't really matter—since he is likely beyond salvation. But what does matter is that the rest of Redstone personnel must condemn this act in the only way possible—by making up a thousand-fold for the two dollars that were stolen; my giving generously to the Korean Orphans Relief.

Redstone Architect Named To Board by Gov. Persons



YOUNGEST MEMBER—John N. McCabe at 35 is one of the youngest members ever to serve on the Alabama State Board of Registration for Architects. His appointment was made recently by the governor. McCabe is master planner at the Post Engineer Division. (Photo by Dick Coddington.)

A young Redstone architect, now serving as master planner for the Post Engineer Division, received quite a distinction when he was appointed to the State Board of Registration for Architects.

Only 35 years old, John N. McCabe is the youngest member of the five-man board and one of the youngest ever to serve. The appointment was made by Gov. Gordon Persons.

Other members are Van Keuren of Birmingham, Slayder of Mobile, Morland Smith of Montgomery, and Frank M. Orr, dean of the School of Architecture at Auburn, all veterans in the Alabama building profession.

McCabe, who has only been a registered architect since 1951, came to Redstone in January of this year. Before that, he was associated with J. Paul Gilmore of Montgomery.

After graduating from Auburn in 1948, McCabe worked for three different architectural firms in Montgomery before settling with Gilmore. He came to Huntsville in July, 1952, and opened an office for Gilmore in the Russel Erskine Hotel building. However, business was slow and the two men parted company—Gilmore maintaining his Montgomery firm,

and McCabe coming to work at Redstone.

As master planner, McCabe has the job of working on future planning at the arsenal. Budgets and constructions for several years in advance have to be worked out and submitted to the District Engineers and to Washington.

McCabe's work on the Board of Registration is concerned with grading examinations and passing on the eligibility of applicants seeking to be registered as practicing architects in the state.

Since the decision of the Alabama board is recognized by the National Board of Registration, an architect who is accepted in Alabama can practice anywhere in the country after he goes through the formality of obtaining a license in the state in which he wants to practice.

While McCabe was working with Gilmore, the firm designed a number of well known buildings over the state, including the city hall and two schools at Opelika, and hospitals in Aliceville and Reform.

McCabe, originally from Dora Ala., married a girl from his home town, the former Miss Frances Watkins. They have two

children, John, age 10, and Sam, age 8.

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Missilemen to Sing At Christmas Party

"The Missilemen" will present a program of Christmas music at the Wives Club tea Dec. 8 at the Officers Open Mess. The tea starts at 2 p.m. Mrs. John Watendorf is the program chairman for this meeting.

The chapel nursery will be open, and the following rates will be charged: 25 cents an hour for one child; 40 cents an hour for two children; and 50 cents an hour for three or more children.

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PAYMENTS ARRANGED



WIN NAME CONTEST—Two Thiokol employes receive money for a week's supply of Cokes from W. M. Mebane, manager, for naming the two Thiokol basketball teams. Dorothy Miree, Personnel Department, and Leslie Gray, Data Section, were winners in the contest, open to all Thiokol employes. Miss Miree submitted the name "Thiokolings" and Gray the name "Space Aces." (Photo by Roland Cantrell.)

NETMEN FACE TOUGH PRE-HOLIDAY SCHEDULE FOR NEXT TWO WEEKS

The Redstone basketballers, after losing their two opening games to a powerful Peerless Woolen Mills combination from Rossville, Ga., are primed for two weeks of intensive play starting tonight. The Rockets go to Jacksonville to meet the State Teachers College there tonight, before returning for four home games.

In dropping their first two contests to the Southeastern Industrial League champions, the arsenal team gave notice to one and all that it is a team to be reckoned with this year. The local hardwooders lost by scores of 49-66 and 66-80.

Coached by Bob McCue, the Redstone team will play Dobbins AFB here Dec. 6, the first of four consecutive home games to be played at the downtown Armory on Patton St.

The next night (Dec. 7) the Rockets will have a return game with Jacksonville State Teachers. On Dec. 8 they meet the Seward AFB and on Dec. 9 they again play Seward.

All four of the games will be played at the Armory, Capt. John Wattendorf, team manager, said. Admission is 25 cents for adults and ten cents for children.

On Dec. 12, the Rockets journey to Ft. McClellan for what will

probably be the final game before the holiday lull.

The full schedule for Redstone will be announced in a later issue of The Rocket.

Everyone is invited to attend the home games, and Capt. Wattendorf urged that arsenalites, civilian and military, get out and support the team.

Officers Are Urged To Try for Teams

Redstone officers are urged to play on post athletic teams, Capt. John J. Wattendorf, special services officer, said yesterday.

"Officers are welcome to compete for a place on all arsenal teams, either at post or company level," he said.

"To date, no officer has reported for any major sport, and we need all the material we can get."

Up to 50 per cent of any team may be composed of officers.

Capt. Wattendorf said that candidates for the post basketball team are particularly welcome, since the season is just getting underway.

Auburn Alumni Meet And Elect Officers

Two Redstone employes were elected to office by the Auburn Alumni Association of Madison County.

W. C. Rotenberry was elected vice president and Mrs. A. E. Harvey was chosen secretary and treasurer. Rotenberry is with Rocket Development Division and Mrs. Harvey is in Plans and Operations, OML.

M. L. Thomas was named president of the association.

After the elections, plans were discussed for the annual association dance, to be held sometime in January. Efforts are being made to have Auburn football coach Ralph Jordan as honor guest at the dance, Mrs. Harvey stated.

The meeting was concluded with a showing of the Mississippi-Auburn football film.

T & E DIVISION

BY MARY NEIL COLLIER

It has always been extremely difficult to scrape up news from Electronics Branch. After hearing of all their new employes we can understand that instead of gossiping they've been busy setting up desks and supplies for Marvin Dinsmore, John Ray, Morris Ray, Art weiner, Francis Murphree, Herbert Crawson, Bob Ewis and Nell Gordy. Glad to have you people join the T&E family.

Bert Owen, Electronics Branch, must be trying for a football team. According to the most recent count—he now has three boys including the new born.

Most newly weds tend to be just a little on the shy order, but not Frances Blankenship and her soldier husband. If you aren't one of the group who has already witnessed the scene—be sure to enter or leave the building about the same time Frances does, so you can witness those good byes in the morning's and the hello's at 4:30.

There seems to be a commotion at the water fountain in Projects Branch these days. Since Harvey Connell came into the branch, a little girl from the Administrative Office appears to have an intense desire for water. What about it, Harvey?

Ruth Cox took a weekend trip to Oak Ridge—then called long distance for an extension of leave. Wonder what sort of atomic energy she absorbed there!

A long box was observed in Technical Illustration Section marked, "Coffin for Gord". The box was about long enough, but was decidedly narrow—a scant 6 inches. What's the story?

The T&E's did their bit to keep the temperature up at the "781" Thanksgiving party at Cambrons. The pulsation jive promulgated at intermission time by Hazel Marchant at the ivories and Dave Arnold on the skins was truly inspired by something red hot they must have "eat" for supper. The customers loved it as proved by the stampede for the cracked ice when the regular band replaced them. It was a spontaneous effort that paid off in good fellowship. Thanks, Hazel and Dave.

If anyone sees Theresa Hargett cruising the streets of Huntsville, she's probably lost. After driving in a great many large cities of the U.S., she can't find her way about in Huntsville. (The confusing street layout as well as the multiple street names is one situation that was existant before the birth of Redstone Arsenal).

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AMMUNITION DIVISION

BY LOUISE STEAKLEY

Some people have very strange diets, Hans Bock of Stock Records has been on a cracker and tomato juice diet for quite some time until one day last week when he opened his tomato juice can and 4 nice potatoes fell out.

With Christmas around the corner all you can hear around A-156 is hints: Helen Bingham, her two front teeth; C. M. Mohr, a one way ticket to Ohio; Ethel Overton, something to cure fever blisters; W. P. Young, a sure winner on the Sugar Bowl game; and Pvt. Dick Noble, a soft cushion for the long trip to Connecticut.

Mary Terry's only complaint is the sudden rise in food prices. After paying 30 cents for a piece of pie, Mary decided to go on a diet

with Mr. Bock.

We regret to lose George (3-D) McGee, Industrial Engineer who has resigned and will take up duties at Worthington, Inc., of Decatur. Also Johnny King who transferred to National Procurement. We wish you both lots of luck.

LINE 2

By Dot Walker

Ronald Walker not only came back with a tale of killing a deer last week, but brought back papers to prove it. Congratulations, Roland.

Congratulations Jesse Dupree on your new son-in-law. Betty Jo was married to Dan Turner on November 21.

We are sorry to hear that Bethel Brewer's son was injured while playing ball last week.

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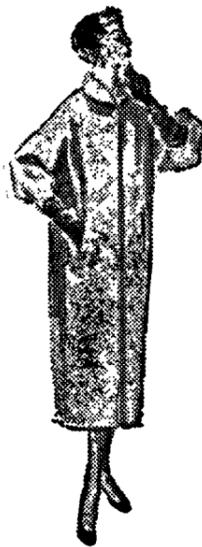
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Deadline Is Near For Scholarships

The National Science Foundation has announced 750 graduate and postdoctoral fellowships are open to individuals planning to take graduate study in the sciences during the 1954-1955 academic year.

Fellowships included will be in the fields of mathematics, physics, medical, biological and engineering sciences as well as physical anthropology and psychology. However, clinical psychology is excluded. There will also be openings in physical geography and interdisciplinary fields.

Students for doctor of medicine degrees are not eligible, but applications will be accepted from students who intend to obtain advanced training in one of the medical sciences directed at a career in research.

Awards for this training will be announced on April 1, 1954. In order to be considered for an appointment, postdoctoral applications must be received in the Fellowship Office of the National Research Council by December 15, 1953. Graduate applications will be taken by the same office until January 4, 1954.

Applications must be accompanied by the affidavit and loyalty oath required by section 15 (d) of the National Science Foundation Act, 42 U.S.C. 1874 (d), a copy of complete college trans-

cript, and an outline for advanced study. Graduate applicants with graduate status and all postdoctoral applicants must also submit an outline of any research contemplated.

National Science Foundation fellowships are available to any citizen of the U.S. who has demonstrated ability and special aptitude for advanced training in science and who meets the requirements in one of the following categories of awards.

Under the Graduate study program students may study for either a masters' or a doctoral degree. First year fellowships students will receive an annual stipend of \$1400 and will be required to show evidence that they are acceptable as regular graduate students who have completed a year of their graduate study but who will need more than one additional year to complete the requirements for a doctoral degree. This fellowship pays \$1600.

A terminal year fellowship will go to students who expect to complete work for a doctoral degree within one calendar year from the date on which they begin their fellowships. This is worth \$1800.

Postdoctoral awards will be made to individuals who have received a doctoral degree or can produce evidence of training in a field of science equivalent to the training represented by a doctoral degree. This fellowship also includes \$3400. Options of twelve months or nine months are open to the students but the yearly stipend is based on the calendar year and stops for the three months the student is not working toward his goal. Married fellows will receive a dependence allowance of \$350 with \$350 more for each dependent child.

All graduate applicants will be required to take an examination to test scientific aptitude and achievement. The examination will be given at selected centers throughout the United States on January 30.

Evaluation will be made by a panel and successful candidates for graduate awards will be noti-

INSTRUCTOR



CPL. DAEL REEL

Cpl. Dael Reel, the Mechanical Branch "Instructor of the Week", is one boy from Indiana who did not join the "Hoosier Hot-Shots." After completing one year towards a degree in Mechanical Engineering at Evansville (Ind.) College, Reel went to work for the Bucyrus Erie Company. Then the Army "got" him.

Cpl. Reel was a member of the first Guided Missile Mechanical Repairmen's Class to graduate from OGMS. He was selected to attend the "CORPORAL" In-

fied of their fellowship awards on March 15.

Questions should be directed to Chief, Plans & Operations Office, OML; or write Fellowship Office, National Research Council, 2101 Constitution Ave., N. W., Washington 25, D. C.

Soldier Is Awarded Commendat'n Ribbon

Pvt. Nelson D. Copeland received a commendation with medal pendant last week in recognition for his meritorious achievement on July 7, 1953, in Korea.

The citation states that he performed his duties as a truck driver in an exemplary manner des-

pite adverse conditions of terrain, weather, and combat.

Although he spent most of daylight hours driving, it was ten necessary for him to work late at night in order to perform proper maintenance on his hicle. His high standards of safety and the peak operating condition of his vehicle enabled him to render his organization thorough valued service.

Pvt. Copeland is from Day Tex., the son of Mr. and Mrs. M. Copeland. He is assigned truck driver at Redstone.

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UNIVERSITY CERAMICS CLASS OFFERS NEW HOBBY TO BOBO



BY JOHN McCORMICK

When Archie Bobo, Plans and Operations, OML, was attending the University of Alabama, he fell into the habit of dropping by the art studios to watch the sculptors at work.

Such artful antics were not for

him, of course. He was a Commerce and Business Administration major. And yet there was something especially fascinating about the creative business of carving figures from stone or molding them from clay. He decided that art could be a most interesting hobby and he filed the idea away for future reference.

For Bobo, the future came in September when he registered for Mrs. Maxine Aycock's ceramics course at the University of Alabama's Huntsville Center. Now, for the benefit of the uninitiated ceramics is no more than a high sounding name for puttering around in mud.

But from such putterings, ceramics experts can produce some very beautiful pottery. Ordinarily, that's exactly what most beginning students in ceramics produce—pottery. It isn't always beautiful. A few students try to do something extra. Bobo belongs to this group. The first project he attempted was a polar bear holding up a hollowed block of ice—the hollow block to serve as an ashtray.

Successful in this project, he quickly produced two bowls and a vase of unusual design. Bobo calls it an atomic vase because it is patterned after the mushroom shaped cloud sent up by an atomic explosion.

Sure of himself now, he attempt-

Fifty Men Receive Promotions at RSA

Twenty-five men of the 9352nd Technical Service Unit received another stripe last week. In their new rank they are:

- SFC Lloyd D. Sammons
- Sgt. Augustus E. Abbott
- Sgt. Robert M. Boylan
- Sgt. Otis D. Lee
- Cpl. George P. Cole
- Cpl. Marshall L. Easley
- Cpl. Morton S. Fine
- Cpl. Frank Luzar
- Cpl. Joseph L. Hogan
- Cpl. Larry R. Petersen
- Cpl. Robert H. Pontious
- Pfc. John H. Beyer
- Pfc. John G. Borton
- Pfc. Peter M. Brennan
- Pfc. Raymond D. Carozza
- Pfc. Norman L. Cross
- Pfc. Serge H. Etienne
- Pfc. Joseph G. Funcasta
- Pfc. Robert J. Heacock
- Pfc. George P. Jenkins, II
- Pfc. Donald E. Lawshe
- Pfc. James P. McClure, Jr.
- Pfc. Paul J. Watson, Jr.
- Pfc. Harold J. Wierzbicki

In the 9330th the men who received promotions are:

- M/Sgt. Hubert Lemaster
- Sgt. Ruble Polk, Jr.
- Sgt. Robert Scannel
- Cpl. Ralph G. Adams
- Cpl. George Heller
- Cpl. Richard G. Hoesch
- Cpl. Patrick H. O'Neill
- Cpl. Pasquale J. Ponteriero
- Cpl. Paul H. Pratt
- Cpl. Jimmy Ryono
- Cpl. David D. Watson
- Pfc. Floyd E. Alloway
- Pfc. Douglas E. Booth
- Pfc. Raymond V. Bonior
- Pfc. Darrel K. Brewer
- Pfc. Norman Crohn
- Pfc. Jack Duva
- Pfc. Phillip R. Dykstra
- Pfc. Robert A. Heacock
- Pfc. Jack Hertz
- Pfc. Edward J. Sheinberg
- Pfc. Harold D. Wilkerson
- Pfc. John S. Welzyn
- Pfc. Warren N. Wright.

And in the 3523rd Army Service Unit, Pfc. John J. Braun was made a corporal.

PERSONALS

Mr. and Mrs. O. N. Stambaugh of Macomb, Ill., are spending the Thanksgiving holidays with their son and daughter-in-law, Mr. and Mrs. C. A. Stambaugh at Valley Park Trailer Village.

ted his most difficult feat: a lamp base of three twisting columns culminating in a solid circle at the top.

If this little design seems simple, ask a ceramics artist about it. Even Mrs. Aycock was a little skeptical. But, paying no attention to the unbelievers, Bobo went ahead with this plan. It was a complete success.

Bobo's latest project, and perhaps the most interesting one to people here at Redstone, is a model of the Hermes guided missile. In addition, as a sort of branch project, he has even molded a bust of a certain individual known to many of us. Everyone who has seen the likeness agrees that the artist has been successful—that is successful to everyone except the person concerned, namely this writer.

Bobo has had so much fun out of his new hobby that he plans to continue taking ceramics as long as it's offered at the Huntsville Center.

There's only one contradiction in this story. It turns up when you ask Bobo his favorite hobby. Ceramics? No. What? Golf!



By ROBERT E. LYONS JOC, USN (Managing Editor, (AFPS))

Frank Sinatra has been selected "King of the Baritones" in a contest conducted by the American Forces Network to determine the favorite male vocalist of U. S. servicemen in Europe. Frank beat out Guy Mitchell, Billy Eckstine, Frankie Laine, Nat "King" Cole and Eddie Fisher . . . Another Cumpari, Julius LaRosa is doing pretty well on his own now. The ex-bluejacket has his own CBS-radio show which is heard three times weekly.

Formal TVviewers

For the first time, it is believed, a television studio audience wore formal attire. The occasion was the special "Toast of the Town" program saluting the 70th anniversary of New York's Metropolitan Opera House. Ed Sullivan asked that his studio audience follow the dress custom of the Met, whereby those in the orchestra and loges wear evening clothes. Such outstanding opera stars as Rise Stevens, Richard Tucker, Hilda Gueden, Cesare Siepi, Robert Merrill and Roberta Peters were featured. Realistic Reel "Cease Fire!" the first motion

Rise Stevens



picture drama filmed under actual battle conditions and showing an exciting patrol action by a group of real U.S. soldiers, had a special screening in Washington for top ranking Army officials. Maj. Gen. Clark Ruffner, acting Chief of Army Information, after viewing the picture said, "I've been in the Army for 30 years, from private to general, and 'Cease Fire!' is the only realistic war picture I've ever seen." Produced by Hal Wallis and directed by Owen Crump, an Army Signal Corps colonel in WWII, "Cease Fire!" was filmed with stereoscopic photography to enhance its gripping realism. Maj. Raymond Harvey, an infantry officer who was awarded the Medal of Honor for heroism during WWII, and who also saw Korean action, was technical adviser. The 12 enlisted men and one officer who make the patrol were chosen from the ranks of the Seventh Inf. Div. They are referred to by their real names in the picture. On several occasions Crump and his six-man camera crew were under enemy fire during the filming of the picture.

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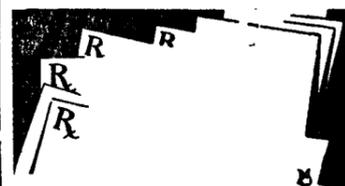
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SALUTE TO OUR SECRETARIES



BY HELEN REED

"It was a new experience for me to wade through technical

terms, and become accustomed to the German accent when I first came to work at Redstone," Mrs. Glenn Reed (Kathryn) told us. She is the secretary to German-born Dr. Walter Haeussermann, chief of Navigational Control Section, in the Guidance and Control Labs, Bldg. 112.

"I was interested in the German language after I started this job, so I took a course in German down at the University Center," she continued. The course is designed to teach 400 words, and Magnus von Braun is the instructor. "It did help me," Kathryn says, "but I can't keep up with any conversations in German as yet."

Kathryn fits our mental picture of a secretary, neat, efficient, friendly and cooperative.

She is eager for, and enjoys new sights and experiences. And she has had quite a variety—everything from being secretary to the chief of the racket squad in the Philadelphia Internal Revenue Agent's office to asking for a transfer to Los Angeles to be with her husband, Lt. Reed, when he was sent to JPL in Pasadena.

Mifflintown, Pa. is her home town where she was graduated from the Juniata Joint High School. She studied secretarial courses at the Central Pennsylvania Business College in Harrisburg.

Her first job was with the Inspector of Naval Materials in Harrisburg, first as a typist, then in the statistical section, then secretary to the personnel clerk, and finally as secretary to the Navy commander.

When that office was disestablished, she went to work for the Treasury Department, Bureau of Internal Revenue in Harrisburg.

A transfer within the Internal Revenue agency took her to the office in Philadelphia which was the exciting assignment of working for the chief of the racket squad.

When Lt. Reed received orders to Pasadena, Kathryn requested a transfer to Los Angeles in the Internal Revenue Department, and

New Bridge Chairm'n To Head Ladies Club

Mrs. Edward Weatherford has been appointed the new chairman for Ladies Bridge Club which will meet at 10:30 a.m. Thursday at the Officers Open Mess. She replaces the former chairman, Mrs. Robert Proudfoot, who is moving to Ft. Meade, Md.

The assistant chairman is Mrs. Thomas Hall. Those who plan to attend should call either Mrs. Weatherford at Huntsville 5862-J or Mrs. Hall at 5861-W before noon on Wednesday.

Art Work, Stories Mark Thanksgiving

The post kindergarten celebrated Thanksgiving by making posters and room decorations during their are period, while they learned the story of the Pilgrims and the reason for Thanksgiving in their study hours.

Their next project is making Christmas tree decorations, and planning a Christmas party.

One of the new pupils in the kindergarten is Susan Kay Reed.

was given a job in the typing pool.

The Reeds have taken advantage of their assignments over the country. Each new location has brought side trips to see the sights. Their first journey was in the summer of 1950 when they toured the New England states and parts of Canada.

Following the southern route to California they visited the Grand Canyon, and the Petrified Forest to mention a couple of the highlights. In California, they went along the coast to San Francisco, then to Yosemite and Sequoia National Parks.

They've also toured Bryce Canyon, Zion National Park, Salt Lake City, the Grand Tetons, Yellowstone National Park and Craters of the Moon National Monument. Another trip was to Catalina Island, and one to Mexico. On the way to Alabama from California they visited White Sands National Monument, N. M., Carlsbad Caverns, Dallas, Fort Worth and Hot Springs, Ark.

Lt. and Mrs. Reed reside at 414-F Hof Circle, Wherry Housing. Like all working wives, Kathryn can't find much time for hobbies, but if there is any spare time, she enjoys reading.

Mrs. Becker Has Tea For Mrs. Proudfoot

Mrs. Wilbert Becker entertained with a tea Nov. 24 honoring Mrs. Robert Proudfoot whose husband is being transferred to Ft. Meade, Md., instead of Ft. Bliss, Tex., as first reported.

Twenty-three guests called at the Becker home, 109 Benet Circle, during the afternoon. Tea and dainty refreshments were served from a table covered with a white linen cloth and centered with an arrangement of yellow and white pom-poms. The table appointments were of silver.

The guest of honor was presented a gift of jewelry by the hostess.

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"ON THE HILL"

BY PFC. TONY BENFANTE

Since my last series of articles, I have had a lot of quick explaining to do. My first reaction was that from my coworkers here on the hill. If you've noticed; my latest columns have deviated from actual happenings in this building to matrimony, women, and life in general. If I've slighted these people in any way by this change, I am sorry; for it was not intentional but very necessary.

These past few weeks or so, I have devoted my entire free time to working the publicity for the three act play that was held at the Rocket Auditorium on the 25th and 26th of November. I couldn't possibly have time to "hunt" news all over this building and still do a fair job on the play. I made my own news, keeping the same title "ON THE HILL"; thereby not losing what few readers that I may have acquired in the past.

This reversion in my articles, has resulted in finally obtaining some long-wanted G and C news, along with a few laughs, opinions pro and con, and "self revelation."

Having babies around here, is like the frequency of pulling KP at the 9330th MESS HALL; William V. Gudaitis, a Chrysler man, became a papa for the second and third time consecutively, or should I say simultaneously! Yes, it was

twins for the Missus. You never saw a guy so cool about the situation. He gave candy to the men and cigars to the women.

That good looking specimen of femininity that you see "floatin" around here is Erma Wooten, who has recently been assigned to Mr. Muehler's section. The cause for her "floating" is not her "angelic resemblance", but a certain Mr. Duard Wright whom she happens to be betrothed to!

On Nov. 17, Mrs. "Burnie" Reed, became 12 months older. For those who aren't too familiar with her, she is better known as "the lieutenant's wife." She has the sole honor of being the only "Yankee" woman in this building. I thought seriously of asking her for her age, but that's like asking the first sergeant for a raise!

Corene Hall tells me that Ce-willa Selvage's boy friend is getting discharged soon. You reckon we can salvage Selvage?

A couple of weeks ago, the Guidance and Control Lab., was honored by a visit from a very noted person. General of the Army, Omar Bradley, made a brief tour of this building. (And was exactly three feet and six and three-quarters inches from my office door.) I almost broke my neck to see if his wrist watch was of the Bulova make... Couldn't tell!

The new security set up in this building has posted Sgts. Gerald Powers and Godfrey Muehlbauer as sentinels, (pronounced "receptionist" in the civilian language.)

In conclusion I would like to thank Jackie Jensen, from Consolidated Supply and Lucille Ezell for their help in "plugging" the play "Three Men on a Horse" in their columns on the Nov. 10 and Nov. 17 issues, respectively.

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FABRICATION LAB.

BY LUCILLE EZELL

All employees of Fabrication enjoyed another holiday last week.

O. G. Pitts is very thankful for the visit the stork paid him and Mrs. Pitts, leaving a nice baby boy.

We join with Walt Crumpton in giving thanks for his safe recovery from a car wreck.

We extend sincere sympathy to Richard Taylor and family for the loss of his mother-in-law last week.

Mrs. (Peggy) Lanier, clerk-steno in Taylor's office, went into a local drug store and took a seat at the soda fountain. As the

soda clerk approached, Peggy asked: "What kind of ice cream do you have?" The girl replied in a hoarse whisper: "Vanilla, strawberry, and chocolate."

Feeling rather sympathetic, Peggy asked: "You've got laryngitis?"

"No", the girl replied with an effort, "just vanilla, stawberry, and chocolate."

A good many of our fellow workers are absent. Here's hoping it is only vanilla, strawberry, and chocolate and not in pills.

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CALENDAR OF EVENTS

Below is a Calendar of events of non-governmental scientific and related societies and associations. Further information about these meetings may be obtained by writing to the addresses indicated in parentheses.

JANUARY 1954

4-5 The Mathematical Asso., annual meeting, London, England (F. W. Kellaway, 87 Pixmore Way, Letchworth, Herts., England.)

18-22 American Institute of Electrical Engineers, mtg. and conf., properties and applications of selenium and tellurium., Statler Hotel, New York City (W. C. Dunlap, GE Research Laboratory, P. O. Box 1088, Schenectady, N. Y.)

25-28 Plant Maintenance and Engineering Show and Conf., International Amphitheatre, in Chicago, Ill. (Clapp and Poliak, 341 Madison Ave., New York 17, N. Y.)

26-27 Scintillation Counter Symposium sponsored by AIEE; IRE-AEC-NBS, Statler Hotel, Washington, D. C. (G. A. Morton, RCA Laboratories, Princeton, New Jersey.)

27-29 Conf. on Radio Astronomy, Wasington, D. C. (M. Tuve, Carnegie Institute of Washington, N. W., Washington, D. C.)

27-29 High Energy Nuclear Physics, 4th annual conf., Rochester, N. Y. (R. E. Marshak, University of Rochester, Rochester, N. Y.)

27-29 International Plastics Conf., and 10th annual conference, Society of Plastics Engineers, Royal York Hotel, Toronto, Canada (SPE, 513 Security Bank Bldg., Athens, Ohio)

28-30 American Physical Society and American Association of Physics Teachers, Columbia University, New York City (K. K. Darrow, Columbia University, New York 27, N. Y.)

29 Sigma Pi Sigma, New York City (M. W. White, 511 East Prospect Ave., State College, Pennsylvania.)

FEBRUARY, 1954

1-5 American Society for Testing Materials, spring mtg., Hotel Shoreham, Washington, D. C. (ASTM, 1916 Race St., Philadelphia 3, Pa.)

2 Commission for Aeronautical Meteorology of World Meteorology Organization, 1st session, Montreal, Canada (G. Swo-boda, 1 Avenue de la Paix, Geneva, Switzerland.)

26-27 American Physical Society, Univ. of Texas, Austin, Texas (K. K. Darrow, Columbia University, New York 27, N. Y.)

MARCH 1954

1-5 Fifth Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, William Penn Hotel, Pittsburgh (R. G. Russell, Gulf Research & Development Co., P. O. Drawer 2038, Pittsburgh 30, Pa.)

4-5 American Society for Metals, mid-winter mtg., Boston, Mass. (W. H. Eisenman, 7301 Euclid Ave., Cleveland 3, Ohio.)

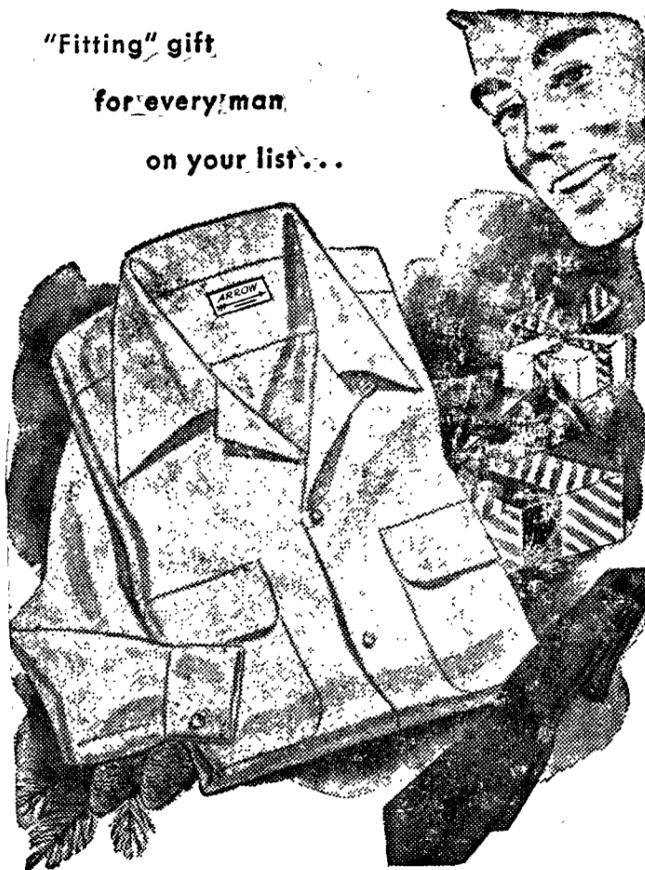
13 American Association of Physics Teachers, Southern California Section, Occidental College, Los Angeles, Calif. (L. M. Hirsch, East Los Angeles Jr. College, Los Angeles 22, Calif.)

18-20 American Physical Society, University of Michigan, Detroit—Ann Arbor, Michigan (K. K. Darrow, Columbia University, New York 27, N. Y.)

24-26 Symposium on Chemistry and Physics of Synthetic Fibers, London, England (A. R. Burgess, Society of Chemical Industry 56 Victoria St., London, S. W. 1)

25-27 Optical Society of America, New York City. (A. C. Hardy, MIT, Cambridge 39, Mass.)

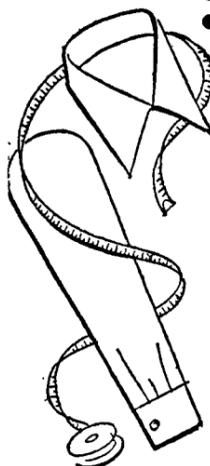
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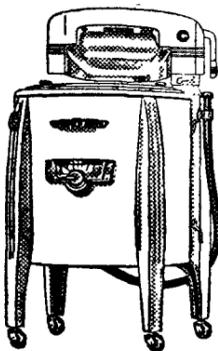
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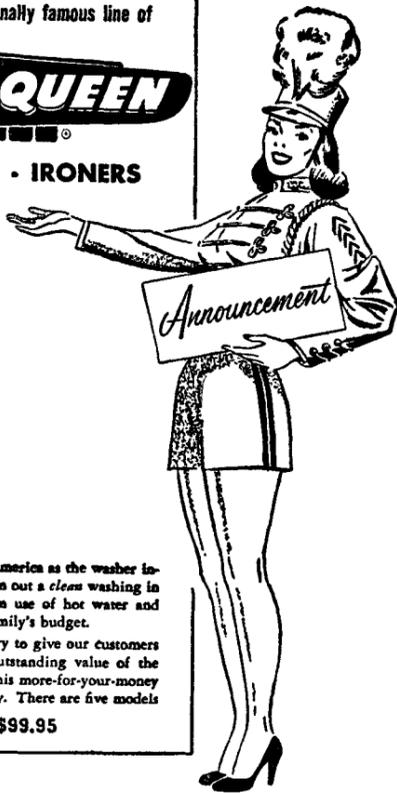


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ORDNANCE HISTORY

By Lt. Col. George I. Calvert

In my research on the history of the Ordnance I discovered an unusual—if not startling—fact, the fact that the Ordnance Department was established before we had an army.

The Continental Congress established the United Colonies Army, after much debate (things don't seem to have changed much in 178 years), on 14 June 1775—more than a year before we declared our independence of British rule. It was composed of ten rifle companies to be employed as light infantry under the command of the chief officer of the army. The following day George Washington was named commander in chief of this army.

On 27 May 1775, nineteen days before we had an army, the Continental Congress appointed a committee to consider and determine the ways and means of supplying the colonies with arms and military stores. The man appointed to this job was Mr. Ezekiel Cheever. This was the first official act to recognize formally the need for ordnance in this country, and was the first step in the formulation of the Ordnance Department.

Later in 1775, a board of nine members of congress, known as the secret committee, and corresponding to our present day munitions board, was appointed to procure powder, artillery, muskets, and other armament. In 1776 Congress created a board of War and Ordnance consisting of five members of congress, which served as an accounting body and was responsible at the same time for arrangements pertaining to storage and maintenance. The board was authorized to hire private magazines at public expense.

Early in 1777 results were beginning to appear—the first magazine was established at Carlisle, Pennsylvania. During the same year, the first arsenal and armory was placed in operation at Springfield, Mass. This installation, officially established as Springfield Armory in 1794, still provides the nucleus of small arms production and is known as one of the old-line arsenals.

Nomenclature in those days was not the same as that used today. For example, an arsenal was an establishment used for the storage of arms; an armory was an installation engaged in the manufacture of arms; and a magazine was a place used for the storage of ordnance supplies or provisions not including arms.

In the post-Revolutionary period Congress established the office of Purveyor of Public Supplies in 1779, under the secretary of the treasury. This office was responsible for procuring and providing all arms, military and naval stores, provisions, clothing, and all articles of supply requisite for the services of the United States.

During this period new ord-

nance installations activated included Charlestown Arsenal established in 1800 at Charlestown, Mass., and Washington Arsenal, established in 1803 in the nation's capitol. By 1800, there were two armories: Springfield Armory and one at Harper's Ferry, West Virginia; both under civilian superintendents. Various private concerns were subsequently employed in the manufacture of cannon so that an ample supply of brass and iron ordnance existed at the outbreak of the War of 1812.

The official establishment of the Ordnance Department by that name was brought about by an act of Congress on 14 May 1812, entitled "an act for the better regulation of ordnance." This read in part as follows:

"Be it enacted by the senate and house or Representatives of the United States of America in Congress assembled, that there be, and hereby is established an Ordnance Department, to consist of a Commissary General of Ordnance, an Assistant Commissary General, four deputy commissaries, and as many assistant deputy commissaries as the President of the United States may think necessary, not exceeding eight."

In the act the mission was described: "and be it further enacted, that it shall be the duty of the Commissary General of Ordnance to direct the inspection and proving of all pieces of ordnance, cannon balls, shells, and shot, procured for the use of the Army of the United States; and to direct the construction of all carriages, and every apparatus for ordnance, for garrison and field service, and all ammunition waggons, pontoons, and travelling forges; also, the direction of the laboratories, the inspection and proving the public powder, and the preparing all kinds of ammunition for garrison and field service; and shall, half yearly, examine all ordnance, carriages, ammunition, and apparatus, in the respective fortresses, magazines, and arsenals, and cause the same to be preserved and kept in good order."

Ordnance personnel engaged in storage and supply functions received their baptism of fire when the British captured Washington. At this time the ordnance men were indirectly responsible for a minor disaster to the enemy. When the British approached Washington arsenal, that installation was quickly evacuated by United States troops. Departing ordnance personnel dropped all remaining stores of powder into a nearby well. A British detachment investigating the newly acquired property, lowered a lighted lantern into the well with a resultant explosion that killed several officers and 30 or more men. The buildings of Washington arsenal were completely destroyed by the British at this time.

The ordnance operations during this period were on a very small scale, commensurate with the comparatively small quantities of arms and ammunition utilized in this conflict.

In this period following the War of 1812 the Ordnance Department was reorganized by an act of Congress on 8 February 1815, and placed under the secretary for Department of War. By the same enactment the supervision of the several armories, magazines, and arsenals was also vested in this department. The Chief of Ordnance, a colonel, had a staff of 43 commissioned officers. He was authorized to enlist for five years as many armorers, car-

riage-makers, blacksmiths, and laborers as the public service required.

Four arsenals were established during this period. Watervliet Arsenal was established in 1813, Watertown Arsenal came into being in 1816 after the site of Charlestown Arsenal was turned over to the Navy for use as a repair yard. In the same year, Frankford Arsenal was established in Philadelphia, and Augusta Arsenal in 1826 at Augusta, Georgia.

By an Act of Congress in Mar., 1821, the Ordnance Department was merged with the artillery, in an effort to simplify Army organization and save money—(there is nothing new under the sun). Under this act the number of enlisted personnel in the Ordnance Department was reduced to 56, and the president was authorized to select artillery officers to perform the necessary ordnance duties.

From this date (1821, until 1832), the Ordnance Department did not exist as an entity but only as a function of the Artillery Corps. By an Act of Congress in April 1832, the Ordnance Department was reconstituted. The Chief of Ordnance, a colonel, was authorized a staff of 13 commissioned officers and a maximum of 250 enlisted personnel.

The Secretary of War was authorized to select qualified sergeants of the line to serve as ordnance sergeants, one for each military post. The act continued the president's authority to select artillery officers for Ordnance duties. In 1838 two acts authorized the President to add two majors and twelve lieutenants to the Ord-

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PERSONALS

Couples Bridge Club met Nov.

nance Department.

The Mexican War, which started in 1838, presented no new or difficult problems for the Ordnance Department. The Army had for many years been engaged in Indian wars, which were apt to smolder for indefinite periods and then suddenly flare up at isolated points. Dozens of frontier camps and posts were maintained, together with the arms and ammunition necessary to meet all emergencies. This state of preparedness—for Indian uprisings—constituted the maintenance of adequate war reserves, a policy accepted as a matter of course at the time. The Ordnance Department was able to meet all demands, and no major reorganization of its facilities was necessary during this war nor afterward until 1861.

At the close of the Mexican War the Department had a colonel, a Lt. Colonel, 4 Majors, 12 Captains, 16 First Lieutenants, and 10 Second Lieutenants.

To Be Continued Next Issue

23 at the Officers Mess with six tables in progress. Mrs. Richard Neilsen won ladies' high score. Mrs. James Fagan was second, and Mrs. Ann Grogan and Mrs. John Coffin tied for low score. James Fagan won men's high score, Lt. Edward Bartunek was second, and Lt. Tom Woodlock held the low score. The next meeting will be at 7 p.m. Dec. 7 when Mrs. Henry Thayer will be the hostess. Regular members who donot plan to attend should call Mrs. Thayer at Ext. 3-1156, by noon of the 7th.

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