Thousands Use The Classified Columns Daily As Their Guide To Bigger Values

THE MORNING STAR

CLASSIFIED RATES

All classified ads inserted in both The Wilmington News and The Wilmington Morning Star. Insertion of ads will be on same day or evening and next morning, except when first insertion is Saturday morning, then second insertion will run Monday in The News. No classified ads sold for one paper only.

CLASSIFIED RATES

One time rate ... 15c per line
Three time rate .. 14c per line
Seven time rate .. 13c per line
15 time rate ..... 10c per line
30 time rate ..... 8c per line

No advertisement taken for less than 45 cents.

Ads ordered for a special number of days and stopped before expiration, will only be charged for the number of times the ad appeared and adjustment made at the rate earned.

Count five average words to the line.

All discontinuances should be made in person at The Star-News office, or if by telephone, must be confirmed by letter.

All ads are restricted to their proper classifications and to the regular STAR-NEWS style of type.

Errors in advertisement should be reported immediately The Star-News will not be responsible for more than one incorrect insertion.

No ad taken for less than basis of three lines.

A charge of $5.00 is made for published "In Memoriam" and resolutions.

The Star-News assumes no responsibility for any advertisement not handled or inserted as directed except to publish or republish after notification.

Classified ads in the column may be placed until 11 a.m. for the evening paper, and until 7 p.m. for the next day's paper. All Classified Display copy must be in the office by 6 p.m.

NOTICE TO PUBLIC

All advertising appearing in these columns is for reputable and reliable concerns, so far as we can ascertain from a careful investigation.

It is our intention, however, to see that every firm that uses these columns is required to live up to their obligations Therefore, should you apply in any advertisement on this page and services are not rendered as advertised, The Star-News wants to know it.

The U. S. postal regulations are very strict in such matters, as such an act would be misuse of the U. S. mail and The Star-News will see that any attempt to defraud is promptly handled by the P. O. department.

1 Announcements

DR. N. A. CULBRETH, DENTIST. Trust Bldg. Front and Market St. Phone 3212.

LADIES' AND MEN'S SUITS Tailored-to-Order — Alterations Remodeling — Prices Reasonable Rholey Tailoring Co., 27 So. Front

2 Automotive

CLEAN 1941 BLUE DE LUXE Ford 2-Door. Good rubber, condition perfect. Call Harriss Haskett. Dial 9973.

1940 PACKARD CONVERTIBLE Super-8. Radio, heater, good tires. Long Motor Co., 216 No. 2nd. Dial 3211.

1941 PLYMOUTH DE LUXE Coupe; 1940 Ford 4-Door DeLuxe Sedan. These cars have exceptionally good rubber. Baugn-McConnell Motors, Dial 7554 or 9544.

1937 4-DOOR PLYMOUTH DE-Luxe Sedan. Westbrook, Brown Motor Co. Dial 5874.

SNOW'S ESSO SERVICENTER, 3rd and Market. Dial 4279. Complete auto repairs. Dodge-Plymouth Parts-Service.

1940 MODEL PLYMOUTH 2-DOOR sedan. Good condition, good rubber. Peterson-Barnes Motor Co. 213 Chestnut St. Dial 5676.

FOR SALE: CHRYSLER SEDAN, good condition. Price reasonable. Terms cash. Dial 5063.

1941 PLYMOUTH COUPE, 8,000 miles. Excellent tires. Cash Dial 5063.

NOTICE TO ALL HUDSON CAR owners! We are still operating our Hudson service department with factory-trained mechanics. We also carry complete line of genuine Hudson parts. Mills Motor Co., 517 North Third street. Dial 5397.

CHEVROLET AND OLDSMOBILE Sales and Service RANEY CHEVROLET COMPANY 406 Princess St. Dial 9621

SACRIFICE!

OWNER MUST SELL

1941 BUICK 6-PASS. SUPER SPORT COUPE

● Like new, one owner, five extra good tires; accessories

Priced For Quick Sale!

MacMILLAN BUICK CO.

108 No. 2nd Street DIAL 9574

TIME FOR SUMMER LUBRICATION! Let our experts prepare your car for summer weather. White's Amoco Service, 3rd at Walnut.

1941 PLYMOUTH COUPE. 8,000 miles. Excellent tires. Cash Dial 5063.

9 Boats

SEE THE NEW 1942 EVINRUDES with full Reverse and Simplex starters. Evinrude Motors, entrance Cinderella Booterie.

12 Builders' Supplies

For The Most Complete Line BUILDERS' SUPPLIES "Everything to Build a House" E. W. GODWIN'S SONS Castle Hayne Road Dial 7747

12 Builders' Supplies

ROOFING BY BIRD & SON Since 1795 Beautiful Durable - Economical HANOVER IRON WORKS 711 No. Water St. Dial 3257

NOTICE: SASH, DOORS, BLINDS, Windows, Door Frames, Screens, Turned Columns, Cabinets, Oldest, Best Equipped Shop in City. Roderick & Land. Dial 5229.

WHEN PURCHASING YOUR ASbestos Siding for your home, select K and M "Century" Asbestos Siding, oldest manufacturer on market of Asbestos Siding. Dial 3339. Smith Builders Supply, Inc.

DON'T PUT UP WITH WASTEFUL discomfort, install the permanent benefits of Rockwool Insulation which assures balanced weather and a life time of comfort. Dial Becker's, 7761.

13 Business Opportunities

FOR SALE OR RENT: GREENfield Tavern, immediate possession. W. M. HEWLETT, REALTOR 214 Princess St. Dial 7138

EARN EXTRA MONEY BY renting your spare room to war workers! If you have the room . . . We have the beds and bedding. Rent-a-bed service will rent you a single bed, mattress, pillow, pillow case and two sheets for only $1.25 per week All new bedding. Dial 9563 for information.

20 Cleaners-Dyers

MODERN LAUNDRY—CLEANERS Dyers · Hatters · Shoe Repairers 118-120 So. 17th St. Dial 7751

22 Clothing

MEN! YOU CAN DRESS WELL, save real money on clothing bill at Finkelstein's. Front and Market.

UNIFORMS FOR OFFICERS, ENlisted men. Other Army equipment. Army and Navy Store, 20 Market St.

35 Drugs

USE HALL'S SUN-BURN LOTION Gives Some Relief in 3 Minutes! Cooling—Soothing—Non-Greasy 50¢ Bottle, Delivered HALL'S DRUG STORE 5th and Castle Sts. Dial 5265

Let Us Fill Your Next PRESCRIPTION See Us For Your Drug Needs! BROOKLYN PHARMACY 902 No. 4th St. Dial 6676 NO ONE SELLS FOR LESS!

38 Dry Cleaning-Pressing

YOUR CLOTHES ARE VALUABLE! Let your "Old Reliable Cleaner" Dry Clean and Press them often! BRINSON'S ODORLESS CLEANERS We Appreciate Your Patronage 2413 Market St. Rd. Dial 6267

41 Eatables

CALL 6585 FOR YOUR NATIVE meats and groceries. A. T. Brown Grocery. 4th and Brunswick Sts.

45 Electrical

MASON ELECTRIC CO. Electrical Contractors 107 No. 3rd St. Dial 6782

48 Feeds

PURINA FEEDS—FOR STOCK, poultry and pets. Leonard Mills, 517 No. 3rd St., Dial 5397.

VITA-LIFE POULTRY MASHES contain buttermilk, and cod liver oil. Manufactured fresh daily Dial 4926. Keith Milling Co.

FUL-O-PEP MASHES AND THE Ful-O-Pep feeding plan are designed to help you realize bigger profits from your flock. J. J. Allen & Son. Dial 5762, Dock and Water Sts.

TUXEDO FEEDS The Feeders Silent Partner CROSS SEED CO.

50 Floor Finishers

FLOOR SANDING AND FINISHing. "Serving Wilmington Twenty years." Dial 4758, M. L. Brothers and Son.

FLOOR SANDING · REFINISHING Estimates Cheerfully Given Dial 9479 B. A. SHARP

51 Florist

CUT FLOWERS, POT PLANTS, corsages, funeral designs. Quick deliveries. Blossom Shop, 31 So. Front. Dial 6030.

52 For Rent

LIST YOUR HOUSES AND apartments with us for quick rental. Marshall Realty Co. 210 Princess. Dial 2-1752.

2 APTS. FURNISHED—ONE FURnished house, $40 mo. 2 small houses for sale, cheap, on beach. 3 houses, sale, Wilmington, $3500.00; $4500.00; $4750.00 Tucker Real Estate Co., Carolina Beach. Phone 2491.

53 For Rent At Resorts

FOR RENT: 5 ROOM FURNISHed cottage. 8 Latimer Street Wrightsville Beach. Open for inspection. Address John Bonitz, Greensboro, N. C.

55 For Rent—Apartments

CHOICE SMALL APARTMENT, everything furnished. By week or month. 502 Market St.

60 For Rent—Rooms

BEAUTIFULLY FURNISHED corner bedroom, delightfully cool, connecting bath, hot water. Lovely home. Gentleman. Dial 3669.

COOL NICELY FURNISHED BEDroom convenient to bath, hot water, gentleman or business lady. Private home. Dial 7639

ROOM WITH TWIN BEDS, ADjoining bath. Near shipyard. 602 No. Blvd. Dial 5692.

63 Room and Board

ROOM AND BOARD, NEW BEDS, good home cooking, hot water, six baths, two shower baths. 914 or 908 Market St.

ROOM AND BOARD, 3 MEALS, $9.00 week. Friendly Inn on highway below second stop light, Carolina Beach. Mrs. G. C. Coe.

63 Room and Board

ROOM AND BOARD. EARLY breakfast, packed lunches. Special accommodations for night shift from 4 to 6. 411 N. Second St.

70 For Sale

HAVE ONE THOUSAND BUSHELS of Corn for sale. Advise if interested in buying in any quantity. Can deliver if want as much as one hundred bushels. Price in line. A. H. Carter, Wallace, N. C.

GENERAL ELECTRIC 20-INCH Floor Fans, $39.95 FIRESTONE 220 Market St.

WELL LOCATED LOT IN PINEYwoods. Call W. R. Davis, Dial 2-2646.

SPRAYERS — DUSTERS SPRAY MATERIALS — DUSTS CROSS SEED COMPANY 12 Market St. Dial 6868

SUNSHINE LAUNDRY DIAL 3386 Rug and Upholstery Cleaners Dry Cleaners — Launderers

COLORFUL SUMMER FIBRE summer rugs, sizes 8x10, and 9x12. Pender Furniture Co., 28 So. Front St.

ADDING MACHINES Used and Reconditioned TYPEWRITER INSPECTION CO

FOR SALE: ROLL TOP DESK. Good condition. Coopers' Newsstand, 604½ Castle St. Dial 2-1426.

SEAT COVERS FOR ALL CARS. All colors and styles in stock Taubman's, 16 So. Front St.

FOR SALE: RESTAURANT GAS range used 9 days. Apply Bus Station Restaurant.

PORCH ROCKERS, STEEL GLIDers and furniture at 20% to 30% lower than elsewhere. Thrif-T-Stores, Inc., 25 So. Front St. Dial 3972.

75 Household goods

FOR SALE—PRACTICALLY NEW kitchen cabinet—See Shue 111 N. 5th.

SEE US FOR BLACKOUT shades, 36 inches and 42 inches widths. Peoples Furniture Co., 257 No. Front St.

SPECIAL! CHROME BREAKfast suites, with porcelain tops. Terms. Home Furniture Co., 23 Market St.

JUST ARRIVED! FLORENCE table top oil ranges. Only $89.50 Terms. Home Furniture Co., 23 Market St.

Mattresses Remade — Sterilized NEW WAY MATTRESS CO. 902 So. Front St. Dial 6173

PORCELAIN TOP CHROME breakfast room furniture, red and white; and black and white. Jones Furniture Co.

QUALITY GAS RANGES SLIGHTly used. $18.00 to $35.00 Bost Furniture Co., 29 So. Front St.

MAPLE BEDROOM, KIMBALL piano, chifforobes, breakfast nook, breakfast suite, kitchen cabinet. Batson's Transfer.

80 Houses For Sale

Beautiful Homesites FOREST HILLS Special Low Prices This Week W. A. McGIRT MANAGER 215 Princess Street

BUNGALOW OF FOUR ROOMS and bath, short distance from Market St. Road, not far beyond City Limits, for $1850.00; early possession. H. F. Wilder. Phone 4932.

623 DOCK STREET, 7-ROOM TWOstory corner home, at reduced price. H. F. Wilder. Phone 4932.

411 NORTH 2ND ST., 13-ROOMS. See Wade Realty Co., 205 Princess St. Dial 4406.

85 Help Wanted—Male

MEAT CUTTER AND CLERK wanted at once. J. G. Carney Gro. 1116 N. 4th.

EXPERIENCED COLLECTOR with car or bicycle. Straight salary. Clark's Clothiers, 219 No. Front.

"PHOTOGRAPHIC DARK ROOM man with general experience. Camera experience desired but not essential. Good salary and overtime for right party. Photo-finisher also needed. Clipper Photo Service, Portsmouth, Va.

WOOL PRESSERS Dixie Laundry & Dry Cleaners 412 So. 17th St.

OPTICAL BENCHMAN WANTED for wholesale optical RX; 45 hour week, $50 guaranteed: steady and permanent work. Wholesaler, P. O. Box 1528, Norfolk, Va.

90 Help Wanted—Female

INDUSTRY TRAINING YOUNG women—To replace men now being withdrawn from industry to defend our nation. Young women and young men, between the ages of 16 and 20 may prepare themselves as linotype operators in from eight to ten months in the Southern School of Printing, Nashville, Tennessee. This school has been in continuous operation for twenty-three years and has graduated more than 2000 students who are now employed in the industry. Write H. F. Ambrose, Secy.-Treas. about special inducements offered young women entrants, and for free catalog. The call for workers is urgent. Prepare now.

COLORED GIRL FOR GENERAL housework— Experienced— References. Phone 2-1856.

WANTED: EXPERIENCED bookkeeper.. Laundry experience preferred. Write "Laundry," care Star-News.

WANTED: EXPERT TYPIST. Hours 8 a. m. to 6 p. m. Starting salary $18.00. Write P. O. Box 503. Immediate employment

Great Crowds Of Prospects Will Read Your Star-News Want Ad

Thousands of prospective buyers, renters, employes, etc., read the Want Ads in every edition of the STAR-NEWS.

IT PAYS TO READ AND USE

STAR-NEWS CLASSIFIED WANT ADS

Place Your Want Ad Today!

90 Help Wanted—Female

WANTED: EXPERIENCED COOK —Serve early breakfast. 312 North 2nd.

WANTED EXPERIENCED COLored giry for housework and care for infant. Apply Mrs. Arthur Respass, Shipyard Trailer Camp, No. 11068.

95 Insurance

F. E. LIVINGSTON & CO. Real Estate — Mutual Insurance Wallace Bldg. Dial 6047

100 Instruction

STENOTYPE COMPTOMETER, Burroughs Calculators, and all commercial subjects taught. Mrs. Motte's Secretarial School, 313 Church St.

104 Loans

$5.00 AND UP On Your Signature Alone WILMINGTON FINANCE CO. 202 MURCHISON BLDG.

MONEY TO LOAN On Diamonds, Watches, Jewelry, Silverware, Men's Clothing, Typewriters, Shotguns, Musical Instruments and Anything of Value! FINKELSTEIN'S LOAN OFFICE "Wilmington's Oldest and Largest!" Front and Market Streets

OUR LOANS ARE QUICK AND liberal on shotguns, cameras, jewelry and clothing. Cape Fear Loan Office, 12 So. Front.

105 Lost and Found

LOST—SUNDAY MORNING: POCket-book—blue and white cotton bag—on Highway between Ocean Terrace Wrightsville Beach and East Wilmington. Finder please phone 5860 or Wrightsville 7628-m keep money and return bag with other enclosures of value only to owner.

LOST — WALLET CONTAINING diamond ring, indentfication card, and important papers. Finder please call Victoria Pataccа at 2-2976.

LOST: SUGAR RATION CARDS and letter in Kress bag between Belk's and James Walker hospital, on Walnut St. Reward. Return to address in bag.

LOST: BLACK FEMALE PEKINgese dog. Answers to name "Inky". Liberal reward. Telephone 4901.

LOST: KEY RING CONTAINING 3 keys near Morris Plan Bank. Reward. Return Morris Plan Bank.

110 Livestock

SADDLE AND DRAFT HORSES; nice mules; 2nd-hand buggies with harness. J. P. Newton. Dial 3580.

120 Office Equipment

TYPEWRITERS & ADDING MAchines. All makes adjusted and repaired. L. C. Smith & Corona Typewriters, Allen-Wales Adding Machines. H. F. Wolfe, Agt., 114 Princess. Phone 5783.

125 Paint-Papering

PAINTING DONE BY A SELECT crew of neat, fast, sober men For estimates dial 2-2951, Wilmington Decorating Company.

136 Poultry

BLOOD TESTED BABY CHICKS Feeds and Poultry Supplies T. W. WOOD & SONS

$$$ IN POULTRY. BUY OUR bloodtested baby chicks. Profitable fryers, early layers. Roudabush's Seed Store.

139 Radio and Repairs

FRENCH RADIO CO., HALLIcrafters radios. Complete service, any make. Public address systems for rent 1304 Market St Dial 9878.

SHACKELFORD'S RADIO REpair Service. Any make—any model. 123 Grace St. Dial 7817. Commercial Frigidaire Refrigeration.

CLASSIFIED DISPLAY

Charleston Court Grants Restraining Order In First Complaint On Gas Jobbing

WASHINGTON, June 29— (AP) — Attorney General Biddle announced today that a Federal court at Charleston, S. C., granted a temporary restraining order today in the first civil complaint filed to enforce a War Production Board order covering the jobbing of gasoline. Hearing was set for July 6.

Biddle said that he had acted at the request of Chairman Donald Nelson of the WPB, which advised him that the respondents in the case had sold and purchased gasoline in excess of quotas fixed by the board.

The action was directed against J. S. Limehouse, Jr., owner and operator of a service station, and J. Preston Richardson, a gasoline jobber and wholesaler in the Charleston area. The government charged that Limehouse purchased from Richardson 6,700 gallons of gasoline in excess of the 23,499 gasoline quota for May.

—V—

CONFIRME D

WASHINGTON, June 29.—(AP)— The senate confirmed today President Roosevelt's reappointment of James Lawrence Fly as a member of the federal communications commission.

150 Real Estate

LIST YOUR RENTALS & SALES With US — A-1 Service Frank G. Harriss 216 Princess St.

SALES, RENTALS, INVESTMENT MOORE-FONVIELLE REALTY CO. We are equipped to serve you

155 Seeds-Plants-Bulbs

QUALITY SEEDS Soybeans, Cowpeas, Velvet Beans, Crotolaria, Sudan Grass. Complete Stocks of Seasonable Seed. CROSS SEED CO. 12 Market St. Dial 6868

WOOD'S YELLOW SOY BEANS, early spreckled, Osceola, and Bunch Velvet Beans. Cow Peas. Sudan Grass. T. W. Wood and Sons, 317 No. Front St.

PROTECT YOUR GARDEN from insect: by spraying or dusting regularly. We carry a complete line of sprayers, dusters and insecticides for the Victory Gardener and Truck Farmer. Let us help you with your spray problems. T. W. Wood and Sons, 317 No. Front St. Dial 4620.

ROUDABUSH'S — MOST COMplete seed service in the Carolinas. Seeds of all kinds Vegetable, flower plants fresh daily. Fertilizers, flower pots, poultry feeds. Roudabush's Seed Store, Corner Front and Dock Sts.

157 Shoes

Guaranteed Shoe Repairs LITTLE JOE SHOE REPAIR 115 So. Front St. Dial 7524

170 Wanted

WANTED — TO RENT A HOUSE furnished or partly furnished suitable for rooming and boarding house. Close in. Write Mrs Frank Walker, Route 3. Blackstone, Va.

WANTED: MATTRESSES TO REbuild and sterilize. Guaranteed work. T. C. Barefoot Mattress Co., Dial 9909.

WANTED! LARGE CLEAN RAGS Bring To Press Room STAR-NEWS

WANTED: BY COUPLE, 3 OR 4 room furnished apt. Permanent "D. S. C.", care Star-News.

WANTED: 2 OR 3 ROOM UNfurnished apartment. Dial 9697.

WANTED: 3 OR 4 ROOM HOUSE or apt., unfurnished. Write 240 Pinecrest Parkway. Phone 22075.

CLASSIFIED DISPLAY

PIANO SPECIALS!

Our remaining stock of famous Baldwin Pianos closing out at unusually low prices . . . With Terms.

ONE NEW BALDWIN GRAND PIANO

Sacrifice Price—Easy Terms—Last One Available!

SEVERAL NEW SMALL SPINETS AT BARGAIN PRICES

BALDWIN PIANO STORE

418 No. Front St. Dial 9400

COLONEL TURNAGE GETS PROMOTION

North Carolinian Now Commanding New River Marine Barracks

NEWRIVER, June 29 — Brigadier General Allen Hal Turnage, promoted to the rank of general shortly after his assignment as commanding officer of the Fleet Marine Force units at the training center here at the Marine Barracks, received his commission here Friday and his new star insignia was pinned on by his brother-in-law, Lt. Col. Donald C. Kendall.

A native of North Carolina, born Jan. 3, 1891, at Farmville, General Turnage expressed keen pleasure at being thus stationed for the first time in his home state and near his mother, Mrs. William J. Turnage, who still resides at her old home place in Farmville.

In his 29 years of service in the Marine Corps, he has served approximately 13 years on sea and foreign duty in a colorful career. But he has strong ties which still bind him to Nort hCarolina, besides his relatives. He attended the old Horner military school at Oxford and the University of North Carolina at Chapel Hill, where he was a member of the Sigma Nu fraternity.

Josephus Daniels of Raleigh, then Secretary of the Navy, appointed him as a second lieutenant in the Marine Corps in 1913. For two years he was a student officer at the Marine Barracks at Norfolk, then was with the Marine Expeditionary Force to Haiti and the Gendarmerie d'Haiti.

As a company commander, he left for France in September, 1918, with the 13th Regiment of Marines, commanded by the late Gen. Smedley D. Butler. Shortly after his arrival in France, he was placed in charge of the Machine Gun Battalion of the Fifth Marine Brigade stationed at Brest. He returned to the United States and demobilized his battalion at Norfolk in August, 1919.

After service at the Marine Barracks at the Philadelphia Navy Yard, as instructor in the Marine Corps schools and adjutant of the 5th Regiment at Quantico, then again going with the Marines to Haiti, he was on duty at the Marine Corps school at Quantico, then from 1926 to 1929 was with the division of operations and training at the Marine Corps headquarters in Washington.

From 1929 to 1932 as a major he was on the Battleship division staffs of Admirals Schofield and Pringle and for six months was executive officer of the U. S. Electoral Mission to Nicaragau under Admiral Woodward.

For the next three years, as lieutenant colonel, he was again on duty at headquarters in Washington, then became director of the Basic school at the Philadelphia Navy Yard. The next two years kept him busy as battalion commander and regimental executive officer of the First Marine Brigade at Quantico.

An important assignment was filled from 1939 to 1941 as commander of the Marine forces in North China, which included the American Embassy guard in Peking and the Marine detachments at Tientsin and Chinwangtao.

Upon his return from China last year, Colonel Turnage went to duty at Washington headquarters, first as executive officer and then as director of the division of plans and policies. It was from this duty that he was recently detached and transferred to New River.

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2 AREAS ESCAPE RENTAL CONTROL

Pending Further Survey, Charleston, Gainesville Wait

ATLANTA, June 29—(AP)—Regional rent executive Frank C. Ralls announced today that pending a further survey Federal control of rents would not be imposed in the Charleston, S. C., and the Gainesville-Starke, Fla., areas Wednesday as had been tentatively announced earlier.

These two areas were among those in which it was said last week that indications were that satisfactory local action to reduce rents would not be taken before expiration of 60-day periods yesterday.

Ralls also announced that registration of rental properties in the five southern areas in which Federal control already has been instituted would continue until July 15.

The areas affected are Columbus, Ga., Birmingham and Mobile, Ala., Wilmington, N. C., and Hampton Roads, Va., where rents were placed under Federal regulations on June 1. The registration of landlords renting houses, flats, tenements and similar dwellings originally was scheduled to end tomorrow.

Rails said the enormous job of printing registration forms and the press of work in connection with the registration caused the extension.

Side Glances

"I try to be extra nice to him these days, because nobody gives him lumps of sugar any more!"

Aberdeen Houses The Brains Behind The Guns Of America

BY JAMES E. HAGUE

ABERDEEN, Md., June 29—(Wide World)—A building no biggerthan a far-sized high school contains the brains behind the nation's guns.

Its scholarly atmosphere seems to muffle the sharp crack of the 90-mm. anti-aircraft rifles and the boom of mortars, loud enough outside.

This is the Ordnance Department's Ballistics Research Laboratory at the Aberdeen proving ground.

Inside, high-powered mathematicians talk of problems which seem to be in another world. Men who once followed the flight of stars across night sky have been borrowed from the observatories to ponder the path of a high-explosive shell.

In one room, two girls attend a machine full of long rods and clicking gears. It is a differential analyzer, a mechanical wizard which solves in minutes or hours the problems which once took a corps of mathematicians weeks.

In another room off the blue tiled corridors, two more girls operate bookkeeping machines which do the work of 19 mathematical masters. Dr. Leland E. Cunningham, formerly of the Harvard Observatory, suggested the change - over from minds to machines—a suggestion which may pay off soon in increased accuracy of American anti-aircraft crews.

These machines and the scholars behind them master problems which to the average layman seem to be in a never-never land—of the flight of projectiles.

But the product of their minds is as closely related to war as the crash of guns on the testing range not far away.

For without the figures evolved by these brains, American gunners and bombardiers would be handcuffed.

They had to find out what every bomb made would do under all conceivable circumstances — account for variances in weight, air density, speed of the plane, altitude, dozens of things.

They had to reduce all this, by endless hours of mathematical labors, to a simple table. The bombardier reads the table and sinks an enemy ship.

Laboratory errors have to be inches or less in order that combat errors will be less than yards.

The artilleryman needs more than a gun and shell before he can fire at the enemy. He needs a table too—one that tells him where his shell will fall. The brains at Aberdeen make the original findings and turn the complex chores over to the analyzer. The result is a firing table which the battery commander carries.

Those RAF gunners fighting over Cologne and over France owed a warm vote of thinks to the wizards of Aberdeen. When they fired at the defenders, the armor-piercing shell—the business billet - followed the path of the tracer to the foe.

It isn't so simple as pulling a trigger. If the tracer bullet starts from the gun at the proper velocity, it will hit the enemy if it's aimed right.

But if the business bullet had only the same powder charge as the tracer, not even a sharpeyed Sergeant York could make it follow the pilot light of the tracer.

It's all a matter of air resistance. The tracer burns and fills its wake with hot gases, thus reducing the air pressure on its tip. That makes a little velocity go a long way.

But the armor - piercing bullet runs into more air pressure because there is a vacuum of its own creation at its tail. You need more powder to make it sing along the same trajectory as the tracer. How much more?

That's what the British wanted to know. That's what the men at Aberdeen, under their director, Lieut. Col. Leslie E. Simon, found out. Colonel Simon had a bomber fitted out with a gun and a high-speed movie camera mount. For the test, the pilot puts the bomber into a dive. As the ship screeches toward the sea, Simon shoots at surveyed taargets in the waters on Chesapeake Bay below.

The camera records the splashes. The Ballisticians know which bullet made which splash. From this point, it's just a matter of measurements and mathematics before they know how much oomph the business bullet should get. Then they tell the small arms manufacturer.

In an even higher mathematical plane are the computations which go into tracking the flight of bullets from a bomber's power turret —without tracer.

Even today, some turret gunners fire by mechanical sights which allow for all the differents entering into the three - dimensional firing from the moving gun platform, his own plane, to the moving target, the enemy ship.

Tomorrow the technique may be improved and the need for the computations greater than ever.

When the bullet leaves the gun, it goes not only in the direction aimed but also in the direction the plane is traveling. This puts a greater pressure on its side and makes it wobble. Density changes that wobble and that path. So does temperature. So do many things.

The sight manufacturer must be given the information about those wobbles so he can allow for them. Otherwise the gunner never will put his shots where he's aiming them.

Aircraft gunnery in the last war, Simon says, was "chiefly by guess and by gosh."

This time, it's ten-thousandfold more complicated. But Simon and the other scientists in this brain behind the guns are taking the guess out and putting accuracy in.

—V—

NURSES' AIDES WILL GRADUATE

First Class To Receive Certificates At Exercises Friday Night

Graduation exercises for the first class of Red Cross Nurses Aides will be held Friday, July 3rd, at 5 p. m. in the nurses home of James Walker Memorial hospital.

At this time and aides will receive their certificates, caps and pins.

The public is cordially invited to attend.

The aides, by their enthusiastic and untiring efforts have won the praise of both the personnel of the hospital and the patients. After they have finished their eighty hours course and received their caps and pins they will give a minimum of 150 hours free service a year to the Red Cross, usually in the hospital.

Mrs. Sandy Marks, as instructor, is largely responsible for the success of the class for they are well trained in every way, Red Cross officials declared.

Due to the shortage of nurses this is a much needed branch of Red Cross volunteer service and it is hoped to have many more volunteers for the night class beginning in July.

This is open to working girls especially.

Any one interested in taking the course please get in touch with the Red Cross office, Phone 5366, or call 6854.

3