

Arkansas Highways

MAGAZINE



PICTURE OF THE MONTH



Vol. VIII JUNE 1959 No. 6

Issued monthly for and by the employees of the Arkansas State Highway Commission as a medium of departmental news and other information.

- Commission Chairman - *Lawrence Blackwell*
- Vice-Chairman - *Harry W. Parkin*
- Members
 - James H. Crain*
 - Glenn F. Wallace*
 - Arnil Taylor*
- Acting Director of Highways - *R. B. Winfrey*
- Chief Engineer - *Ward Goodman*

COVER PICTURE: A swinging walk bridge accommodates four vacationers crossing the Little Buffalo River near Boxley on Highway 21. This section is near Lost Valley and is one of the most beautiful in Arkansas.

PICTURE OF THE MONTH: A trio of motor graders from Division 9, operating near Fallsville, create this effective scene. Johnnie Gray caught the graders in the staggered position as he was approaching the downgrade on the road near the junction of Highway 21 and 16.



Prepared and edited in the Personnel Division
Martha L. Adams - editor, vari-typist
Billie R. Hatcher - vari-typist, artwork
Johnnie M. Gray - Highway Department photographer

UTILITY ADJUSTMENT PROCEDURES IN ARKANSAS

by P. E. Schenke, District Engineer
Bureau of Public Roads

The following report by Paul Schenke, was sent with a letter by John W. Courter, division engineer of the Bureau of Public Roads, who stated in part, "The Arkansas State Highway Department has made substantial progress in the manner of handling utility adjustments. We are fully aware that this is a vital part of providing a right-of-way for construction. We are also cognizant that the expeditious removal of these facilities to avoid delays to the contractor requires concerted effort and perservance.

"Mr. Schenke wishes to express his appreciation to A. W. Hardy for his assistance in outlining the methods used and steps taken to assure the prompt removal of utilities."

Up until a few years ago, utility adjustments were an incidental part of construction in Arkansas. Except in rare instances, these usually consisted of relocating a small segment of wire line due to widening the right-of-way or lowering and encasing a pipeline. The rearrangement necessary in these cases was usually obvious; could be absorbed in the normal routine operations of the utility company; and involved only nominal cost.

With the expansion of the highway program, this condition no longer exists. Utility relocation or adjustment is now involved to some degree in virtually every major highway construction project, and the problems have been magnified. This is especially applicable on controlled access highways.

The utility companies are also deeply involved in this problem for they must provide engineering for the proposed adjustments; right-of-way for the new location; labor, materials and equipment to accomplish the move; funds to finance the work until reimbursement has been completed; and clerical force for communication and consummation of an acceptable agreement. This is expected as a public service and without profit to the company. The large, established companies are able to learn the procedures and adapt themselves to handle the work, but the small independent operations are often ill-prepared to assume this additional burden. These difficulties of the utility companies thus add to the troubles of the highway agency.

The Arkansas State Highway Department has been able to face the needs as this utility relocation problem has grown. At present a Utility Engineer and two assistants handle all aspects of negotiation for adjustment until the agreement between the Highway Department and the utility company has been executed. This group has well demonstrated their competency and efficiency and through their efforts the utility relocations have been accomplished with a minimum of disturbance.

The Utility Engineer attempts to keep the utility company informed of the highway plans to permit utility planning to the greatest extent possible. Copies of the minute orders are mailed to the affected utilities as soon as the Highway Commission passes the initial program action. This serves notice that the state contemplates a certain highway improvement and the utility

company may then anticipate that they will become involved. As soon as the preliminary plans are prepared, the utility company is furnished a print as an advance notice of what is contemplated. This enables the company to begin preliminary consideration of their needs. Close contact is maintained by the Utility Engineer and the utility company during the period of plan preparation and thus the Highway Department and the utility company are able to prepare their plans simultaneously, and usually the utility plans are completed by the time the highway plans are complete.

It is understandable that changes in the highway plans may require revision of the utility plans. It is therefore impossible to grant approval to the utility plans and estimate or to prepare the agreement for the relocation until the highway plans have been completed and the needs fully determined. At this time the plans and estimate are reviewed to assure that the work proposed will conform with the contemplated highway improvements.

Upon execution of the utility agreement, the company is notified, a work order is issued and an engineer in responsible authority is designated. If the proposed relocation is in the vicinity of a highway construction project, a resident engineer of the state is utilized. Otherwise, a district engineer is authorized. The designated engineer is furnished copies of all pertinent plans, estimates, agreements, etc., necessary to fully inform him of the work contemplated. He has been furnished with copies of the Bureau's Policy and Procedure Memorandum and Administrative Memorandum, and with the state's instructions outlining the obligation of the state to assure proper handling and documentation.

The resident engineer notifies the Central Office when work starts, inspects the work as it progresses to assure compliance with the plans and agreements, verifies the labor, material and equipment chargeable to the project, and maintains adequate records to ascertain the propriety of the costs incurred in the field. He notifies the Central Office upon completion of the work.

After completion of the work, the billing is prepared by the utility company and submitted to the Highway Department for payment. This is checked in the Central Office for general agreement with the preliminary estimate and transmitted to the resident engineer who verifies or certifies the correctness of the field charges. The resident engineer is required to maintain sufficient records as the work progresses to support his certification of the billing.

It is felt that substantial progress has been made by the Arkansas State Highway Department in the handling of this very troublesome problem, and that the present organization has shown proficiency in the expeditious relocation of utilities.

CLOSEUP ...

**Always an
engineer first - being a
gentleman farmer comes
second. J. P. Clayton is
"business" in either case.**



A few words from Junius P. Clayton are equivalent to volumes from others, but you can bet that when he does speak, it will either pertain to business, or it will be some dry witticism which he is noted for.

Ozark, Arkansas is his birthplace on August 25, 1907, to the late Junius P. and Jesse H. Clayton. The elder Mr. and Mrs. Clayton were both scholarly lawyers who practiced at Ozark. He had only one sister who is deceased.

June's education was received at the Ozark elementary schools and he graduated from Ozark High School. For three years he studied civil engineering at the University of Arkansas after which he took a correspondence course in structural engineering.

His career in engineering began in 1927 at the Department as an instrumentman. Since then he has had experience in all types of road and bridge construction. For three years he was instrumentman and resident engineer with the Louisiana Highway Department; field engineer with Sinclair Oil Company; inspector and in general construction with the U. S. Corps of Engineers; and agricultural engineer with Soil Conservation Service. His almost 20 years of service with the Arkansas Department have been spent as resident engineer, assistant resident engineer, inspector, and in July, 1957 he was made district construction engineer in District 4. He is a registered professional engineer.

On February 20, 1929, he and the former Miss Edna Chiles of Waldron, were married. They have one daughter, Mrs. Harold Keller (June), who with her husband and two children, Clayton, 7 years old and Vickie, 6 years old, reside at Fort Smith.

Mrs. Clayton is a great helpmate to June. His engineering career limits his time so she oversees, as well as takes an active physical part in running their large farm and orchard where they raise Whiteface Herefords and peaches. June spends as much of his spare time as possible in the operation of the farm however. Mrs. Clayton attended the College of the Ozarks for one year after graduating from Ozark High School. Sports, reading and the

two grandchildren are the things she is most interested in - besides June of course. As for June, he has no hobbies, stating that they are for old folks. He did use to fish a great deal and play golf some, but he hasn't the time for these things anymore. They live quietly and entertain little. They belong to the Episcopal Church.

June steadfastly believes that everyone should live the way they wish to without any interference. He is a perfectionist, believing that a thing must be done right or not at all - and he is high tempered and moody. He has brought to the Highway Department qualities of leadership upon which we are accustomed to rely - an intuitive knowledge of men, and a sound and matured judgement founded upon natural wisdom and long experience. His honesty extends to those above him as well as those below - all benefit from his thought though it may be at variance with the popular conclusion. Those who know him well, recognize this quality and admire him all the more for his genuineness.

His father would have liked him to become a lawyer and, in fact, June did have some training, but he hadn't the yen for the legal profession. This training however, and his classical background, plus his thorough knowledge of his chosen work all tend to make him what he is - an outstanding figure among the engineering employees of the Arkansas Highway Department.

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If an English friend tells you he has a strangler in his saloon, don't run for the nearest policeman. Actually, all he is trying to tell you is that his sedan automobile is equipped with a choke.

Other English auto terms include wing for fender, boot for trunk; damper for shock absorber. A glove compartment in his convertible is a cubby locker in his drophead. What an American calls a bumper guard, the English refer to as an over-rider. Pedestrian crossings are zebra crossings.



## New Engineering Personnel

College graduates who have recently been added to the staff of the Highway Department are: Mack C. Peevy, a native of Alma, Arkansas, who started working in Bridge Design on May 16. Mack is a graduate of the University of Arkansas with a BSCE; is a member of the American Society of Civil Engineers and a registered professional engineer. Mack has had previous experience in instrument work, inspection and material purchasing. He is married to the former Miss Alma Ray Woodruff and is 22 years old.



James C. Battreal, senior instrumentman in District 2, resides at 604 North Hill, Malvern. A native of Missouri, he received his early education at Malvern and graduated from the University of Arkansas with a BSCE. He has done drafting, instrument work, and field notes with a lead company, and also has experience in mapping property on aerial photographs. He is the son of Mr. and Mrs. James E. Battreal, Malvern.



Billy Doyle Mulhollen, son of Mr. and Mrs. Robert W. Mulhollen, Corning, Arkansas, is a University of Arkansas graduate with a BSCE. Billy received his early education at the Rector schools. He has had some experience in instrument, chaining, and field notes. He is married to the former Miss Mary Yvonne Linam and they have a two-year-old son.



Travis Orton, Jr., 26, is with us permanently now after graduating from the University of Arkansas with a BSCE in May. Travis has worked for AHD for two years off and on while going to school. A



Orton

native of Fort Smith, Travis is married to the former Miss Pat Parker and they have a daughter, Melanie, 14 months old. They reside at 27 Sunset Drive.

Don A. Liles, engineering aide in Materials and Tests, has been a summer employee in AHD since July 1, 1956. Don is a native of Beebe, Arkansas and he graduated from State Teacher's College in Conway this spring with a Bachelor's Degree in mathematics.



### ON TAXES...

According to unofficial sources, a new simplified income tax form contains only four lines:

1. What was your income for the year?
2. What were your expenses?
3. How much do you have left?
4. Send it in.

Some time ago a tax assessor in Topeka, Kansas, ran across the newest and best answer yet to the item on the assessment blank which states: "Nature of taxpayer." The answer supplied was, "Very mean."

If you want to taste the most flavorful delicious serving of your favorite fish, mix pancake flour, medium thickness, by using beer as a liquid for the batter. The batter will adhere to the fish in a fairly thick cover. Drop the fish into a pan of boiling grease or french fryer. You will be pleasantly surprised. The yeast in beer may be responsible for the strange action and pleasant taste derived from its use. Try it and let us know how you like it.

## Boys State Highway "Officials" Visit Department

Boys State came to the Highway Department Friday, June 5, when twenty of its members stopped by to visit and to see their respective "office" to which they had been elected.

The polite young men were guided on their tour by Fred Tanner, personnel director, who explained the "whys" and "wherefores" of the departments they visited. Acting Director R. B. Winfrey and Chief Engineer Ward Goodman also spoke to the group, and V. E. Scott, administrative assistant, explained the purpose and functions of the Highway Commission. Mr. Tanner said the men were profoundly interested and showed a keen inquisitiveness about the operation of our Highway Department system.

Neill Bohlinger, legal administrative assistant, spoke to all members of Boys State the first night they met at Camp Robinson. This was the fourth consecutive year that Mr. Bohlinger has addressed the group. His audience is always highly receptive and this one was no exception. Mr. Bohlinger spoke about the highways and the part they play in the daily life of every man, woman and child. He stated, "Being the biggest business in the state, it holds forth promise that would justify making it a man's life work," after which caps were thrown high in the air and the applause was thunderous as only over 700 boys could make it.

The boys who paid us a visit and their "titles" were: Charles Dodd, Butch Hyden, James Irwin, Arthur Phillips, Kenneth Moore, and Horton Willis, commissioners; Jimmy Harris, director of highways; David Slocum, chief engineer; Chris Witherspoon, director of personnel; Jimmy Turner, maintenance engineer; Victor Davis, director of accounting; Mike Condren, materials and tests engineer; Larry Bennett, construction engineer; and Glenn Austin, Bob DeBerry, Brent Jacobs, Charles Morgan, Hal Pearrow, Tommy Walker and James White, all alternates, completed the group.



The young men are pictured on the steps of the building with Acting Director R. B. Winfrey, Personnel Director Fred C. Tanner and Chief Engineer Ward Goodman.



Above, the members of Boys State are wearing more pleased expressions and the reasons are from left: Betty Ray, Sue Barnes, Sandra Fiedler, Carma Dunn and Billie Hatcher.

## IN REMEMBRANCE

Cristopher C. Tucker, an employee in Division 7, was injured fatally May 27, when he was struck by a car while working with his crew 10 miles west of El Dorado. Mr. Tucker was removing "caution" signs from U. S. Highway 82, when the accident occurred.

Mr. Tucker, 58, was a resident of Junction City and had worked for the Highway Department since February, 1952.

Our sincere sympathies are extended to his family. He is survived by his wife, Mrs. Munnie Powell Tucker; three sons, Lawrence C. Tucker, Laverne Tucker, and O'Neal Tucker; three daughters, Mrs. Joe W. Washam, Mrs. W. E. Sterling, and Miss Dorothy Tucker; a brother and a sister; and three grandchildren.



Only part of the Boys State members are shown here listening to a speech by Mr. Bohlinger.



# NEWS BITS...

Mr. Winfrey and Mr. Goodman returned from their trip to San Antonio, Texas June 10, where they picked up a check for \$7,134,409.72 at the Federal Reserve Bank.

The check, a tidy sum in any language, is Arkansas' share of the \$13,500,000 Helena Bridge, and represents proceeds from a sale of bonds which will be retired through toll charges on the bridge when it is completed. The extra money over the \$7 million was the interest accrued to June 9 at the rate of \$1,000 per day. Another check for \$500,000 was Mississippi's part of the cost of construction which will be matched by federal funds to total \$1,000,000. The check was put on deposit in the State Treasurer's office.

Commissioner Glenn Wallace, who suffered a mild heart attack at his Nashville home June 12, continues to improve, according to the latest word received. Mr. Wallace was moved to St. Vincent's Hospital at Little Rock June 14. We wish him a very speedy recovery.

Fred C. Tanner, director of personnel, was one of four panel members who participated on the program of the Personnel Association of Arkansas, when it met for its monthly meeting June 19, at Lafayette Hotel. The subject under discussion was "Recruiting and Interviewing." Mr. Tanner held a ten-minute discussion on "Preparation for Interview," after which he answered related questions on his assignment. Mr. Tanner has been a member of the Personnel Association for about a year.

Neill Bohlinger, legal administrative assistant, represented the Highway Department at a luncheon meeting of the Johnson County Chamber of Commerce at Clarksville on June 11.

Quick thinking plus a pretty good knowledge of first-aid saved the life of Bill Morgan, an instrumentman in District 3, who narrowly escaped death when he was overcome by sewer gases while measuring a sewer line near the right of way for the new highway bypass on the eastern edge of El Dorado. He was revived by fellow workmen who pulled him from the sewer. Morgan said he had noticed the presence of gases when he entered a manhole but he thought he could complete the work before he was affected. Work on the sewer line was in process in connection with highway construction just north of Highway 167 southwest of the city. Morgan was taken to a hospital but later released.

All of Mr. Eldridge's friends in the Highway Department will be glad to know that he is on the road to recovery after being hospitalized at Austin, Texas with pleurisy and pneumonia.

Mr. Winfrey received a thank-you note from Mrs. Eldridge on June 1, stating that he would be going home in a "few days" and was very pleased with the lovely bouquet of roses and carnations which was sent by the staff of the Highway Department.

It was nice hearing from Mrs. Eldridge and we sincerely hope that Mr. Eldridge will continue to improve. Best wishes to them always.

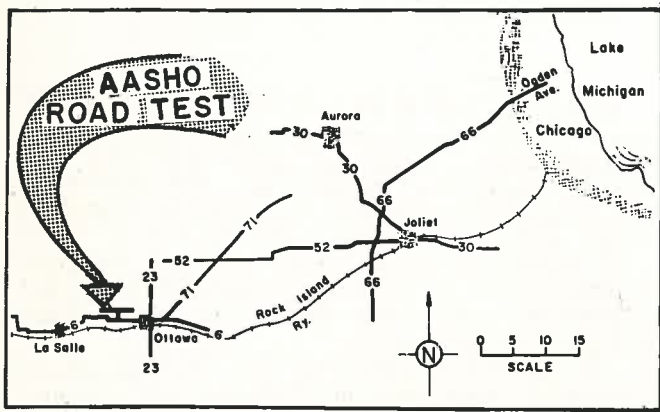


Norman Edward Stewart

On June 1 Norman Edward Stewart assumed the duties of Shop Superintendent in Charge of Central Shops at Jacksonville. Mr. Stewart was assistant superintendent to Tom Eby in 1951, so shall be remembered by many employees in the department. L. M. Wade, who has been acting Shop Superintendent, since the resignation of Mr. Eby in 1958, will be Mr. Stewart's assistant.

Mr. Stewart is familiar with the mechanics of the position of Shop Superintendent having broad experience in the field and the repairing of heavy and light equipment in the past 32 years. He has served as superintendent with the following companies: Lewis Diesel Engine Companies, Arkansas Motor Freight, Arkansas State Police, Capitol Trailer Company; supervised and managed the motor vehicle repair department at 555 Incorporated; and was with the United Motor Service for two years at Long Beach, California before returning to North Little Rock as Assistant Service Manager for Moore Ford Company at North Little Rock.

# AASHO ROAD TEST



About 80 miles southwest of Chicago, a varied fleet of trucks are spinning around and around six loops of highway, hour after hour, 18 hours a day, six days a week.

This dizzying performance, which will roar on for two years is known as the AASHO ROAD TEST, after its chief sponsoring organization. The \$22 million project is administered by the Highway Research Board of the National Academy of Sciences - National Research Council.

The purpose of the test is "the study of the behavior of pavements of known thickness under moving loads of known magnitude and frequency."

The Congress of the United States has a specifically requested that data from the test be included in studies now under way to determine the "maximum desirable dimensions and weights of vehicles to be operated on the Federal-Aid Highway Systems, including the Interstate System..." and to determine "an equitable distribution of the tax burden among the various classes of persons using the Federal-Aid Highways or otherwise deriving benefits from such highways..."

The facilities for the test now underway consist of six test loops built with 836 separate sections of pavement of widely varied thicknesses. Half of the pavement in these loops will be portland cement concrete, some reinforced, some not, and half asphaltic concrete.

Ten lanes in five loops will be subjected to truck traffic with axle loads ranging from 2000 to 48,000 pounds 18 hours a day, six days a week for two years. A system of electronic instruments will help record the behavior of the pavements under this traffic.

The sixth loop will carry no test traffic. It will be used for strain and warming tests and to evaluate the effects of weather on the pavements.

Strict controls were set up to produce a highly uniform embankment which can be discounted as a variable factor in the analysis of the pavement performance. Tests showed that only a small percentage of the material fell outside the density and moisture specifications.

Grading on the test loop embankments was completed in the spring of 1957. Other construction included subbase material, paving the loop turn-around sections, completion of 16 test bridge spans and four overpass bridges, and buildings of service roads. Paving of the test sections was done in the summer of 1958.

The test sections in any one loop include all possible combinations of the various thickness of pavement structure components selected for testing under the axle loads operating on that loop. The sections are located in the test tangents in random order. Also included are some special sections for the study of treated bases and paved shoulders.

Test vehicles range from very light to heavy, and include both single and tandem axle arrangements. Single axles will be loaded to 2,000-6,000-12,000-18,000-22,400 and 30,000 pounds. Tandem axles will be loaded to 24,000-32,000-40,000 and 48,000 pounds. In each case, the upper limits are above those allowed by the vehicle weight laws of the various states. On the main loops single axle vehicles will operate on the inside lanes, tandem axles on the outside lanes.

Test bridge spans are located in groups of four at four locations on two loops. Each 50 foot bridge span carries one lane of traffic, and is composed of three simple beams and a reinforced concrete slab. Eight bridges have steel beams, four are of convention reinforced concrete, and four are of pre-stressed concrete. Bridge spans were constructed under closely controlled conditions.

The bridge studies will have two principal objectives: (1) to determine the behavior of short span highway bridges under repeated applications of overstress; (2) to determine the dynamic effects of moving vehicles on short span highway bridges.

Especially built trucks containing recording instruments drive out along the loops and plug into outlets where wires are laid in and beneath the pavement and the base. The recording tape is brought back to the Administration building and laboratory where a "mechanical brain" takes the data and processes it.

Certain observations such as those of the development of surface cracking are most efficiently made by trained engineers. Observations in this category will be recorded in field note books or in certain cases directly on IBM cards.

The big problem where the test data is concerned is to speedily reduce the tremendous volume of data to summary form to permit rapid engineering and statistical analysis.

Besides the buried wires and observations by trained experts, there is an electro-mechanical device that will in effect plot the profile of the pavement surface at a rate of about three miles of pavement per hour. This is an extremely important device since the relative roughness of a pavement is one of the best indications of its adequacy as a high type highway. Also, changes in profile of



Given pavement with time may serve as an indication of its probable future behavior.

Between 50 and 60 men work as trained experts in the Administration and Laboratory Building at the test site. Another 300 men, members of the Army Transportation Corps who drive the test vehicles, live in five housing-administrative-recreation buildings nearby.

The test traffic has been operating over the pavements for several months, and the project is well into the collection of important data - data which is expected to influence the design and construction of highways for many years to come. For this is the goal of the test - "sound, logical and unassailable facts and figures; data which will be meaningful and helpful to all highway administrators and engineers."

Finally, when all the figurin' has been done, four of the test sections - the test road is actually six separated sections of a four-lane divided highway - will be turned over to the Illinois Department of Highways and eventually become part of Interstate 80 in Illinois.

## Snake Safety

Around this time of the year some of our employees - resident engineers, and other construction or maintenance employees quite often meet up with an unwelcome intruder - the rattlesnake. Or rather the employees are considered the intruder as far as the snake is concerned.

The snakes are considered one of the occupational hazards where the men work in areas where the snakes are most likely to be inhabited, and a hazard that can be quite dangerous if the employee isn't on constant guard or isn't familiar with its natural habits. Because most of us have a healthy respect for these creatures, the following information is presented in the interest of safety.

How the bite occurs:

- 63% - Stepping on or near the snake.
- 27% - Picking up objects.
- 6% - Catching or handling snakes.
- 3% - Reaching under objects.
- 1% - While sleeping

Where most bites occur on the body:

- 57% - Legs
  - Foot - 40%
  - Ankle - 29%
  - Shin - 29%
  - Thigh - 2%
- 42% - Arms
  - Fingers - 51%
  - Hand - 31%
  - Forearm - 10%
  - Wrist - 8%

100%

100%

- 1% - Head or trunk

100%

Snakes avoid extreme temperatures, both hot and cold. Their body temperature is generally about 1 degree F. above ground temperature. Their muscles are inoperable below temperatures of 40 degrees F. On the other hand, temperatures above 110 degrees F. are fatal to them. They are most active when the air temperature is between 60 and 90 degrees F. As the days grow warmer, snakes will seek cover which will provide shade. When the weather is mild as in spring and fall, snakes will be found sunning openly.

In the western states they are prone to snuggle all cozy on the tandems of autos, on rear tires, near the blade or even perhaps inside the cab if the doors are left open during the night. The likely places, on a tractor for snakes to sun themselves will be the track, hood, seat and deck, but there are several hundred places where a snake may choose to sun itself.

The safest bet where the snakes are concerned is to be on the alert at all times, and carry a snakebite kit when you know you will be exposed to them.

## I'VE GOT THOSE "HOWEVER" BLUES

Dear Sir: We are indeed sorry to hear you are having so much trouble with your Pop-in-Pop-out combination storm windows and screens. As you point out in your rather strong letter, the guaranty period still has six more months to run. However, our company has gone into bankruptcy.

Higgins, we've done a lot of thinking about who ought to fill the deputy vice-president vacancy when Mr. Hikenlooper retires next week. All of us on the board chose you - unanimously. However, at a board meeting this morning we decided to reorganize our set-up and eliminate the post entirely.

Dear George: Your wire received. Sorry to hear the furnace blew up. Understand completely our visit will put you out a bit. However, you won't have to fuss about the five of us, and we'll plan to stay only a week.

Fellow club members, as you know, each year we say "thank you" to our outgoing president by presenting him with a substantial token of our appreciation. Each year we've tried to make our gift even more substantial than the last. You'll remember we gave Ed Hoffenback a portable set last year. However, the club treasury is a little strapped this year, so we've had to settle for this handsome pen and pencil set. Will George Higgins stand up.

-William Hogan



# AROUND the DEPARTMENTS

## STATISTICS AND ANALYSIS

*Mary Ann Crow*

Billy Langston of our division was married on Saturday, May 30, to Miss Margaret Fiser in the Primrose Methodist Church. Margaret formerly worked in the Federal Reserve Bank. Our very best wishes to the bride and groom.

The women of S&A have gotten together for luncheon twice recently. Several weeks ago we all went to lunch at the embers and extended our congratulations to Marjane Turner who marked her seventeenth year with AHD. The last get-together was at Tony Massas and had a wonderful time celebrating no occasion at all.

Bill Moore and family enjoyed a trip to Memphis over the week end of May 22. While there, Bill attended a Toastmasters Convention.

Our new summer employees are J. C. Hammond, M. E. Deakins, D. I. Hall, J. E. Walthal and K. H. Graves. Welcome to S&A!

## BRIDGE DESIGN

*Virginia Tackett*

New additions to the staff are Designer Mack Peevy, a 1958 graduate of the University of Arkansas, and Tommy Bond who will be a senior engineering student next year at the University.

Jake Knott says so many people have been asking how fishing is on lake Hamilton that he thinks a retraction of last month's item in this space, regarding his purchase of a lot there, should be made. It seems his lot is on Lake Catherine, so that explains the bewilderment with which he reacted to all those inquiries.

Larry Carlson and three other engineering students at the University of Arkansas are settling in at the cabin on Lake Wedington where the summer surveying course is to be held. So far the work has outweighed the recreation and they haven't found out whether there are fish in the lake or not.

Leonard Kerr is leaving the last part of June to join Private Ben Hogan at Fort Knox, Kentucky. He will rejoin the division in early fall when his three months army service is finished.

Lem Tull drove down to El Dorado to visit a cousin recently and Jim Hillis has been over at DeWitt visiting friends for a couple of week ends.

The Little League baseball season is upon us and Jim Matthews is in it up to the hilt. He has a Teeny League with some good players and we are looking forward to a winning season for them. Jimmy, the Matthews' son, plays first base regularly and pitches when necessary.

Clara Dean McMillin, who worked for a week as secretary in the Bridge Design Division last summer, is with us again this summer for two weeks while the secretary vacations. Clara Dean was married in March to an electrical engineering major at the University of Arkansas.

## MATERIALS AND TESTS

*Julia Mae Steele*

Congratulations to Alton B. Beard and James L. Owens who received their 10-year Service Pins and Certificates of Merit recently.

It's a girl for the Donald R. Youngers! Gail Ann, weighing 8 pounds, made her arrival May 21 at Nashville, Arkansas.

We have four summer employees this year. Norbert Kordsmeier, Jere Johnson, and Leslie Grady were re-employed and George Knight is with us for the first time. Glad to have all of them.

Linda Havens, daughter of Mildred and Doyle Havens of Conway, finished her nurse's training at the Baptist Hospital. She has had several offers from hospitals but doesn't know just which one she will accept.

Raymond and Argie Lynch's daughter of Conway, finished high school this spring and is now enrolled at State Teachers.

Vacationers were D. Weston Tucker, who was off for a week; and Thornton B. and Hazel Rowe, who spent a week end with his mother in West Plains, Missouri.

Happy Birthday to Regal Cotton and Bill Wood who celebrated birthdays this month.



Mr. and Mrs. Doyle Havens and Linda

**PURCHASING***Jon Shaw*

Conley Meredith, 13-year-old son of Jim and Martha Meredith, will be a "college man" this month. Conley will spend two weeks at East Texas State College, Commerce, Texas, where he will be engaged in an extensive and concentrated band clinic. Conley, a clarinetist, placed in the First Division in the District and State Band Festivals this year as well as last. He will be a ninth grader at the new Ridge Road Jr. High School in North Little Rock next year.

John Plegge completed his first year of law school Friday June 5, and we understand the first year students had quite a celebration.

Hilda Shirley spent a very busy vacation moving and visiting her family in Stuttgart. Hilda and a fellow Highway Employee, Lou Warford, have taken an apartment together at 217 Woodlane. It is an adorable place and we wish them much happiness. This will be their first experience at house-keeping.

We would like to welcome Amy Tedford to the Purchasing Office, who came to us on June 16 from Fones Bros. Hardware Company. Amy will be secretary to Mr. Meredith, replacing Jon Shaw.

**ROADWAY DESIGN***Potter, Lee and Hicks*

Travis Orton and family made a trip to Fayetteville on May 30 to see son, "Buddy" receive his degree in civil engineering. On the trip up the nice roadway improvement work between Mountainburg and Winslow didn't slow Travis much as Commencement Exercises were to be a big event. Congratulations to Buddy!

Sid Lee and family journeyed to Fayetteville on May 30 also, to witness son-in-law's graduation and to visit with daughter before this couple moved to Ohio. A side trip was made to Monte Ne. (Who will finish "Coin" Harvey's Pyramid? After all was not our Washington Monument built in stages?)

Billy Pickens, a University of Arkansas student, has come to work for the summer. Welcome to Billy who has been employed here previously.

Pat Thompson and wife are vacationing in Miami, Florida.

Charles and Nancy Toland are enjoying their new home in Meadowcliff. Their address is 9 Hanover Drive.

Joe and Leota Hicks spent a week of their vacation at Lake Norfolk fishing and relaxing. They caught plenty of fish with pictures to prove it. (Where are they?-Ed.)

Chuck Logan motored to Kansas City over the week end of May 30. He left his better half there to visit with her family for a week.

Charles Ross, who attends Little Rock University, will be working with us during the summer. Glad to have you Charles.

Shelby Henderson is sporting a new Vauxhall.

Smith's Squad: We are glad to see Colonel Ison, engineering instructor at Little Rock University and a perennial summer employee, back in the squad.

The Duane Reels spent Saturday, June 6, at El Dorado.

This scribe John Hicks, and son Bob, will attend the annual Homecoming at Leslie, June 11-13.

**DATA PROCESSING CENTER***Frances Jones*

Welcome Home to Lane Jetton, Erma's son, who has been honorably discharged from the U. S. Air Force after serving for four years. Lane is planning to enter Little Rock University for the summer semester. It goes without saying that Erma and husband Robert, are very glad to have him back with them.

Gladys Plunkett's daughter, Sue, is home from the University of Arkansas and looking forward to week ends at their cottage on Lake Hamilton.

Going on vacations in June were Billie Ratliff, who is planning a nice trip to Ashville, North Carolina; and the Art Johnson family, who are going to Chicago, Illinois to see family and friends.

James Willard has gone to National Guard Camp at Fort Sill, Oklahoma.

**RIGHT OF WAY***Nancy Conrad*

We feel sure that everyone has waited with "bated breath" for the final outcome of the hot snooker tournament, so without keeping the news any longer, the Legal Section is proud to announce that on May 14, 1959, two new snooker champions were born. Winners: Bill Demmer and Dowell Anders. Losers: Les Evitts and Bill Donham. Legal won 31 games and Right of Way, 28, and one game was tied. Winners received a total of 15 cents apiece from Losers, and were also awarded a beautiful gold (50 cents) trophy engraved (in gold pencil) with their names and new title. The losers ruefully accepted a "jealous green" crying towel imprinted with the consoling words, "Cry Here." Their confident secretaries lived and played the entire tournament with them. but, considering the equality in skill (?) waited until the very last minute to place any names on the prizes, mainly because the decisive moment was on the last day of the game.

Mr. and Mrs. Eugene F. Nelson spent the week end of May 25-31 in St. Louis attending the Right of Way Seminar.

On Friday June 5, a party was given by the Right of Way Division honoring Mary Jo Spencer. Mary Jo retired from work for a while to await the stork which is due in September.

**PERSONNEL***Sue Barnes*

Sarah Neel was honor guest recently at a morning coffee, given by Mrs. Wallace T. Gee, so that

Sarah could get acquainted with her new neighbors in Oak Forest.

Carma Dunn and Luther Piker, who have been helping Verna Daes with microfilming at the Vault, were with us in the office while Verna was in Blytheville for a couple of days doing some filming for Statistics and Analyses.

Sibble Cox is wearing a big smile these days. Her son and family are back in Arkansas after an eight-month residency in New York. The Coxes are building a new home and Sibble is enjoying the progress being made on it.

Birdie Wright was sporting some mighty loud-looking bruise marks on her arm recently. She had taken up water skiing and was doing fine according to her "teacher", Ivan Daes (Verna's husband), until the last try when she fell. She's not giving up though. Scene of the water sports is Lake Hamilton where the Daes' cabin is located. Jackie Wallace went along but didn't try the skis. Ricky Daes, age 7, is a member of the Teeny League which is managed by Jim Matthews, a member of Bridge Design.

Bill Hays is rather non-committal about his ability on the skis but he did say that he "almost had mastered them." Bill is a water enthusiast and whenever possible he tries out his new boat and motor on the lake.

Carma Dunn is driving a two-toned blue Chevrolet these days. On her last trip to Bradford (her home town), her parents gave her a check for the downpayment on it, a good reason for buying one.

Billie Ruth and "Bubba" Hatcher were on an all-day outing May 30 at the Majestic Lodge on Lake Hamilton. The affair was given by Bubba's frat, Delta Kappa, and a good time was had by all.

Betty Ray has been going to Conway almost every week end to check on her sister, Mrs. Maysel Norwood, who faces surgery soon.

Frank Scroggins had a birthday on May 23 and received his 5-year Service Pin and Certificate of Merit in April which we failed to mention. Congratulations on both counts, Frank.

"Little" Al Thompson, formerly in our office, got what she and her husband wanted - a little girl. Tonia June, 6 pounds, 12 ounces, made her arrival June 7, at St. Vincent's Infirmary. All are doing well. Our congratulations to the happy couple.

This reporter celebrated her birthday June 1. The office force presented me with a gift and we had cake and coffee.

## ACCOUNTING

*Margaret Wallace*

We are happy to have Carl Morris, Okolona, Arkansas, with us. Carl attended Little Rock University and is now taking a correspondence course. He will be working with the auditors in Johnny Beaver's office.

We are very happy to report that Ed Orsini recovered nicely from his operation and is back at work.



Edmund Orsini Jr.

Edmund Orsini, Jr., the accomplished son of Ed, was one of the lucky 36 graduates to receive college scholarships at North Little Rock High on May 22. Ed received one of the highest, \$3500, to Tulane University, where he will study medicine.

He is a member of the National Honor Society, the Tri-Chem Club, which is open to top science students, and a member of the Key Club. He attended Boy's State in 1958. Among his other achievements are his activities in Boy Scouts, having attained the rank of Eagle Scout in 1957, and in 1958 he represented the Quapaw Area Council in the Senior Scout Leadership program at Philmont Ranch, New Mexico. Only recently he left for Glorietta Baptist Assembly, a youth retreat where church doctrines and teaching methods are taught for use in Church Training Union, at Glorietta, New Mexico. The retreat also has a recreational program and the youths learn how to become a leader in church recreation.

He has an American Red Cross Senior Life Saving rating and this summer will act as life guard at the North Hills Country Club in North Little Rock.

The Highway Department is mighty proud of Peggy Eldred who was chosen to be a contestant in the Miss Little Rock Contest, the finals of which are to be June 20. Peggy already holds the title of "Miss Fire Prevention" of the Air Force Reserve in Memphis, which she won in 1957. Peggy came to the Department in February 1958. She resides with her grandmother, Mrs. R. C. Robertson at 417 Pearl Street. We wish her the best of luck - and whether she wins or not, we shall still be proud of her.



Peggy Eldred

Helen "Cookie" McCook enjoyed a trip to St. Louis, her home town, to visit her family.

Jimmy Shores had a streak of bad luck when a horse kicked her at a rodeo on June 4. We are glad to report no broken bones.

Sammy Jones, from Hendrix College, nephew of Aleene Boysen, spent May 23-24 at Little Rock, at which time they visited Bill Schneider to get helpful information about Europe where Sammy and his family will be spending the summer. Bill Schneider formerly worked in Accounting.

Irene Hawkins and family made a trip to Memphis recently to visit her sister.

Lola Buck has put her Mother's Day gift to plenty of use since receiving it - a barbecue grill.

Your reporter and husband made a rush trip to Monroe, Baton Rouge, and New Orleans to visit Al's grandfather, who is in the hospital, and the rest of the family.

#### ADMINISTRATIVE OFFICES

*Marie Rossing*

Dorothy Switzer's father and mother, Mr. and Mrs. H. I. Power, of Los Angeles, are visiting her and family for several weeks.

Patricia Koonce, our new secretary in the Retirement Division came to work some time ago but this is the first opportunity to welcome her publicly. Pat has four youngsters, Jerry, Bobby, Irma and Janice.

Joyce Spencer, husband "Gick" and son Billy Roe, have returned from a two weeks vacation to Indiana, the New England states, Niagara Falls and down the East Coast.

Marie Rossing spent a couple of days the latter part of May, in Fort Worth, Texas where she was called due to illness in the family. Very glad to report that they are much improved.

#### EQUIPMENT AND PROCUREMENT

*Mary M. Hill*

We are missing Frank E. Fleming who has been ill and at home for several days. Hope you will be soon fully recovered and back with us Frank. Also, Carl Hillis gave us a scare when he had to be rushed home and to the hospital the latter part of May, but glad to report he is back on the job now.

Mr. and Mrs. W. K. Heard and Mr. and Mrs. Henry Kirchoff visited relatives in Paragould the weekend of May 15.

Congratulations to Mr. and Mrs. C. E. Hillman on the birth of a daughter at University Medical Center on May 23. The new arrival has been named Sandra.

Kay Bonnell was called to Wichita, Kansas on June 5, because of the serious illness of her mother, Mrs. H. W. Brewer. We hope you found her much improved, Kay.

Mrs. W. A. Padgett is spending a few days in Heber Springs with her mother and family, and her aunt who is visiting from California.

J. L. Barnes found it necessary to have surgery on his left eye, and is away from his duties as welder for a few days.

The Frank Boyetts are spending a week on vacation in Tulsa, Oklahoma and Wichita Falls, Texas. L. E. Harper will be on vacation the week of June 15. Mr. Harper says he will spend the time fishing and loafing.

We are happy to have Doris M. Healy and Shirley Ann Leeds with us at Jacksonville through the summer months.

Clyde Thomas and Carl Colvert are both on the sick list. Hurry and get well, we miss you.

#### DIVISION 2

*Ouida Grimes*

Among the recent high school graduates were Janice Cockrell, daughter of Mr. and Mrs. James E. Cockrell, who was salutatorian of the Wilmar High School graduating class; Juan Rabb, son of Mr. and Mrs. E. J. Rabb, who was a real leader and a good athlete at Drew Central High School; and Pat Shalmy, son of Mr. and Mrs. Brewster Shalmy, who graduated from Pine Bluff High School. Pat was an outstanding student; president of the Student Council and had charge of all the high school assemblies. We wish all the graduates much good luck in the future.

Our very best Get-Well wishes to James "Red" Goins and Walter Griffin. Red has a broken leg received while on the job and Walter has a back and heel injury received while on the job also.

The annual barbeque at Monticello was the "mostest." The meat was the best yet and the trimmin's prepared by the Drew County ladies could not have been any better. The Area Headquarters Building and grounds are beautiful - and our thanks for the invitations.

Charles R. "Roscoe" Gaddy attended an Amateur Radio Operator's Convention in Indianola, Mississippi the week end of June 6. His radio call is W5RFB.

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Have you ever wondered why an apparently nice guy turns into a heel at the wheel?

There's no mystery to it. This guy acts like a heel at the wheel because that's the kind of man he is to begin with.

Sure, he looks like a gentleman when you see him around his home, because he's using his store manners in front of company. But if the little woman could tell all, she'd be the first to say that the way he drives is about par for the way he behaves when alone with the family.

All that happens is that a low-powered heel in the home becomes a high-powered heel in traffic. He merely does what comes naturally, but with a high-powered machine to help him. So, of course, he does it more spectacularly.

It's true, as they say, that many an accident is caused by a jerk at the wheel. But the jerk is a jerk in other ways too.

DIVISION 3

Olive Jackson

Congratulations to our boss, W. E. Hicks, who has received his Service Award and Pin for 35 years of service. This was presented to Mr. Hicks in Little Rock by the Commission.

Miss Betty Ann Erskine, daughter of Mr. and Mrs. A. B. Erskine of Prescott, became the bride of William D. Clark, son of Ardell and Nellie Clark, on May 23. The ceremony was performed in the First Baptist Church at Prescott by Rev. S. R. Tipton. After a wedding trip, Betty and Bill returned to the University of Arkansas where Bill is working on his Master's Degree. Bill will be the new Band Director at the Arkadelphia High School this year and Betty will get her A. B. Degree at Henderson.

Joel and Ima Jane Thompson are the very proud parents of a little son, who arrived May 24. He has been named Robert Lynn.

Service Pins and Certificates of Merit were awarded in May to: Shelby J. Garney, 15 years and Ivan Henry Black, 10 years. Congratulations.

Mrs. Mary Orr Hicks, daughter of Mr. and Mrs. William Elex Orr of Nashville and Oscar C. Mitchell, son of Mrs. Lena Mitchell of Center Point, were united in marriage at the Methodist Parsonage at Bengin on May 15. After a wedding trip to Hot Springs and other points, Mary and Oscar will make their home in Center Point.

Among the proud "Grandpas" are: Howard Wright, who has a little granddaughter, Kara Lisa, who arrived May 19; and Pete Collums, whose little grandson arrived May 13.

We extend our deepest sympathies to Dora Bullard in the loss of her mother, Mrs. Della Downing, age 79 who passed away in Marshall, Missouri on June 1.

DIVISION 5

A. L. Moser

Visitors in our division recently were Gerald Sisk, J. R. Anderson, Asa Duncan, and William O'Guinn.

Vacationers: C. W. McClusky and Mrs. McClusky, spent their vacation in Arizona; Wayne Pigg, patrol operator in Jackson County, is vacationing at this writing; and J. B. Isley in Division 5 Shop, took a week off.

Steve West of Cleyburn County is reported to be ill. Best wishes for a speedy recovery, Steve.

The Mosers (this reporter) spent four days with son Fritz Moser and family in Little Rock.

Our sympathies to Mr. and Mrs. Coy Frazier. Mrs. Frazier's brother, L. E. Ford of Dodson, Texas, passed away on May 23.

At an average rate of 30 miles per hour, it would take an automobile more than 11 years to over the 3,012,520 miles of rural roads in the U. S. today.



LETTERS

It would be impossible to print all the letters received by Mr. Winfrey concerning our highways and the Department but because the following one is unusually good we feel that it should be printed.

Rollo, Missouri
June 1, 1959

Arkansas Highway Department
Little Rock, Arkansas

As a traveler through your very nice state recently, I would like very much to compliment you on your roads (state and federal). We traveled through Arkansas, north and south and found the *best marked* - cleanest - well-kept roads on our entire trip which was through six states.

Very noticeable was the absence of roadside advertisement which is a "sore eye" in all other states, including Missouri. Thanks and keep up the good work.

Sincerely yours,
Tartan W. Collier
204 E. 2nd. Street
Rollo, Missouri

THANK YOU LETTERS...

Mr. R. B. Winfrey, Acting Director of Highways
Arkansas State Highway Department
Little Rock, Arkansas

Dear Mr. Winfrey:

We particularly enjoyed the article on micro-filming on page 3 of the April issue of Arkansas Highway magazine.

This article, in our opinion, was very well written, and we were flattered that an illustration of one of our machines was used for this article.

Thank you once again for this fine article, it was sincerely appreciated.

Very truly yours,
O. K. Houston
RECORDAK CORPORATION

June 10, 1959

Thank you so very much for writing the article concerning me in the Arkansas Highway Magazine.

You were much too generous with words in expressing my honors and accomplishments at Little Rock University.

I have read several editions of your magazine and I know the people connected with the Highway Department and others appreciate both your time and efforts in making it a worthwhile magazine.

Sincerely,
Mary Lou Hosack



by

Jimmy Zinn

An attractive applicant was being interviewed for the job of general office work in a small shop office. When the owner asked what salary she expected, she replied, "Would \$50 a week be too much?"

"Not at all," answered the boss happily. "I'll pay you \$50 a week with pleasure."

"Oh, no," exclaimed the girl, "with pleasure it's \$60 a week!"

"Does your husband talk in his sleep?"

"No, and it's terribly exasperating. He just grins."

The meek little man finally had to give up. The steak was just too tough. He called the waiter to take it back to the kitchen.

"Sorry, I'd like to," answered the waiter, "but I can't now. You've bent it."

Papa bear scowled at his bowl and angrily declared: "Someone has eaten all my porridge."

"Aw, sit down and shut up," said mama bear. "It hasn't been poured yet."

During a flood in a small town a girl was perched on top of a house with a little boy. As they watched various articles floating along they noticed a straw hat turn and come back again.

The little girl said "Do you see that hat?" First it goes downstream then it turns and comes back."

The boy replied: "Oh, that's father." He said, "Come Hell or high water, I'm going to cut the grass today."

A campaign worker for the successful candidate for mayor called on him to see if he could get a job for his son on the city payroll.

"Oh, I think so," said the mayor. "What does he do?"

"To tell the truth, nothing," said the man.

"Good," said the mayor. "We won't have to break him in then."

Two guys wandered into a bar. The first took four straight shots of bourbon and fell flat on his face on the floor. The second said to the bartender: "That's what I like about Joe. He knows when to stop."

One farmer met another on the road and hailed him. "Hey, Jed; Got a mule with distemper. What'd you give that'n o'youm when he had it?"

"Give 'im turpentine," informed Jed.

A week later they met again and the first farmer shouted, "Say, Jed, I give my mule some turpentine like you said, and it killed 'im."

"Killed mine too," confided Jed. "Giddap."

"You sure look worried."

"Man, I've got so many troubles that if anything happens to me today, it'll be at least two weeks before I worry about it."

Grandmother (looking at her granddaughters new pathing suit) "If I could have dressed that way when I was a girl, you would be six years older today."

THIS'LL KILL 'YA...

A fellow recently bought a small foreign car and after careful computation over a month came to the conclusion that he was not getting the phenomenally high mileage so often credited to such cars. So he took it to a local mechanic who, after checking it thoroughly, pronounced it in perfect condition.

"But isn't there something I can do to increase this mileage?" the driver asked.

"You can do the same as most foreign car owners do," replied the mechanic. "Lie about it!"

The teacher had asked her pupils who the nine greatest Americans were. All of the students had turned in their papers except Johnny.

"Can't you finish your list, Johnny?"

"I'm still undecided," replied Johnny, "about the first baseman."

"Mother, what was the name of the last station we stopped at?"

"I don't know. Be quiet. I'm working out this crossword puzzle."

"It's a pity you don't know the name, Mother, because little Willie got off the train there!"

Family Finances: The wife wanted to do some shopping one day, so at breakfast she asked her husband for \$10. "Money, money!" he shouted. "Every day you want more money. If you ask me, I think you need brains more than money."

"Perhaps so," his wife agreed, "but I asked for what I thought you had more of." -ESD Courier

It was the immigrant's first time to visit the big city alone. After wandering through a large department store, he approached the floorwalker and in a thick accented voice asked, "Could you tell me plizz, mister, where is the rest room?"

The floorwalker stiffly replied, "Escalator, sir." "Esk you later?" shouted the man impatiently, "I gotta go now!"

A department store received the following letter from a couple to whom its billing department had written requesting payment of a long overdue bill.

"Gentlemen: We have received your letter of the 28th and would like to know we are dividing our creditors into three groups:

1. Those who will be paid promptly.
2. Those who will be paid sometime.
3. Those who will never be paid.

You will be happy to know that due to the friendly tone of your letter, we have promoted you from Group 3 to Group 2."



"That's a poor place to end the white line."

