

# ARKANSAS HIGHWAYS

A Monthly Magazine for Employees of the Arkansas State Highway Commission

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#### STATE HIGHWAY COMMISSION



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### PERSONNEL MANUAL

An Arkansas Highway Department Personnel Manual has just been released for reference usage in our various offices throughout the state by our Personnel Director Dennison F. Yates. This Manual is made up of 8½ by 11 sheets in loose-leaf form with a black cover. By presenting the Manual in this manner, additional information can e inserted from time to time and revisions made and replaced easily.

A vast amount of information may be found in this Personnel Manual including: the history of the Department and the numerous Acts promulgated through the years which have affected its functions: policies of the Highway Department and reasons for strict adherence thereto: explicit instructions regarding new employment and the iversified forms to be used in all cases of personnel changes: the latest hourly wage scale for employees; and many other advices hich the Department officials and upervisors will find of referential benefit in their daily work.

"Courtesy," that all-important requisite in the demeanor of all Department employees is mentioned in the Manual. Also, the reminder that "we are employed by the entire residential population of Arkansas" and should so conduct ourselves at all times in a manner which will bring credit to the Department and promote good relationships.

### TOLL-ROAD REPORT

An unfavorable report on the feasibility of a toll road on the U. S. 70 route between Little Rock and West Memphis was submitted to the Highway Commission and the Legislative Committee for Roads, October 15, in the Commission Room by the firms Brown & Blauvelt and Wilber Smith and Associates, consulting engineers making the study.

A verbal review of the toll-road study was given by Harold Blauvelt and Wilber Smith to clarify all data shown in the printed report. A question and answer period followed the review at which time it was brought out that no bond brokers would be interested in the project on the basis of the report.

The recommended relocation was 3 miles north and parallel to the existing U.S. 70 route. All unnecessary features were eliminated although the recommended construction was of high standard with a 300-foot right-of-way. The estimated cost of \$80 million for the 120-mile highway was reportedly high because of the numerous river and creek crossings along the grade and the bottom lands to be filled.

Detailed studies of the present traffic, expected traffic growth, and various economic relocations were made to figure the potential income which might be expected. In no case were the estimated soad earnings adequate to support the construction of such a toll road.

### SO YOU WANT TO BE A SUPERVISOR

by Hazel S. Erdmann
Magazine Editor

For the basic background of this three-part series I am endebted to many learned men whose studies on the subject of supervision have brought them nation-wide recognition. To name one without naming all would show a dissimination unwarranted, since the theories herein are correlative with verification and re-verification to assure that my interpretations are correct and in conformance with modern supervisory techniques being successfully applied today

#### PART I

The days of the "hard-boiled" and driving supervisor have passed. Today's supervisor is a leader, a planner and organizer, an educator, and a student of the human drives motivating men at work. Most anyone can "boss" a group of workers, but the man who aspires to becoming a top-notch supervisor in the fullest sense of the word must be a leader of men with a sincere desire to understand the employees under his supervision.

The supervisor is a key man in any organization, the connecting link between management and men, and often he alone has personal touch with those who do the work. He is the one who gives the direct orders and supplies the worker with tools, material and equipment. Quite often the employee knows no other boss and his ideas regarding the organization for which he works

is measured in large part by his opinion of his supervisor. Therefore it is by no means an overstatement to say that the supervisor's job is essentially one of human relations.

A relatively few years ago the all-important requisite for super visors was technical skill. However, through trial and error it has since been found that it requires substantially less technical knowledge to make a good super visor but more variety of skill in other directions.

Supervisory success on the job requires constant study of human nature -- understanding its depths and limitations and managing the many intangible traits, some good and some bad, that every individual possesses. It is true that the fundamentals of human nature seldom change, but the attitudes

most certainly do. Because of a higher educational level, higher standards of living, changed and changing social conditions, employees today are less satisfied with their lot and are more inclined to express their views.

The supervisor's job has also changed in another respect. He has to share more responsibility with other divisions or departments. Consequently, increased emphasis must be placed on his ability to cooperate with others. Capability of making decisions or determining a course of action is a vitally needed trait. Also, he must be absolutely fairminded, striving to see things objectively at all times and refrain from any discrimination or showing favoritism.

Recognition of the importance of understanding the human factor, which will be discussed in Part II of this series, becomes readily apparent when appraising the major responsibility of a supervisor. That is: managing manpower and teering it in the right direction o get things done; and surmounting obstacles in order to achieve the desired objectives with maximum efficiency and due consideration for the interests of all parties concerned.

Most authorities agree that the supervisor's job may be boiled down to three main tasks: to organize, to deputize, and to supervise; with, of course, the many facets emanating from these tasks.

To organize means to plan and allocate the work of the employees in an orderly manner, with appropriate regard for the relationship of one person to another so as to reduce friction to a minimum and produce maximum efficiency.

To deputize means giving someone else the charge to do something which the supervisor does not have the time or the ability to do efficiently. For certain duties or phases of work, the supervisor confers the same authority and responsibility upon a subordinate that he himself possesses, but with a more limited scope. However, he must follow up from time to time to ascertain that the person so deputized is carrying out the work as planned. In other words, he can deputize the work but he cannot transfer his responsibility for obtaining the necessary results.

To supervise means to follow up all organized and deputized work to assure that it is being carried out as desired; that the plans which were made have been put into effect within the specified time and in the proper manner. Again the aspect of the human side comes into focus for this task involves to the highest degree the proper handling of people and a sound understanding of their reactions.

There are some supervisors who are weak in organizing, who are unable to see their work in its broader scope and to break it down into details for rhythmical flow

and final unification. There are others who are weak in deputizing. They want to keep their responsibilities all to themselves and are unwilling to yield any of them for others to shoulder. These supervisors jeopardize their own work efficiency as well as that of the entire section or department by spreading themselves too thinly. Frequently they have subordinates who are better equipped than they are to do certain phases of the work -- which is no discredit, but rather is a favorable circumstance from which the whole group may profit. Good supervisors contrive to use the abilities of their men to the best advantage, always alert to the necessity of giving credit where credit is due.

Then, there is the supervisor who willingly gives others his responsibilities but never provides them with the necessary authority to get results. The fallacy of such a policy is so obvious that any further discussion would be superfluous. However, it is surprising how many supervisors are guilty of this error without being fully aware of the magnitude of their negligence.

Functional supervision entails directing, guiding, controlling and coordinating the combined efforts of men, machines, and materials. Every person working in a supervisory capacity, either as a major executive, superintendent, foreman, straw boss, chief clerk, or other,

is the individual responsible for carrying out these functions. The accomplishments of any organization must, naturally, depend upon the group, and the group upon the productivity of its individual members, each in his own work. However, the success or failure of things to be accomplished depends largely upon the supervisor who directs and controls the work of these individuals.

While the supervisor's job is primarily one of managing people, leading, and inspiring them into productive channels, every supervisor must also have a basic knowledge of the machines and materials used in his particular division or section and such activities as may be involved. Good supervision cannot be expected from a man trained only in human relations any more than it can be expected from a man. who is trained only in mechanics. Emphasis is laid upon the human factor because most supervisors have the mechanical or technical knowledge but a great many arg lacking in the ability to the principles of leadership.

People are not necessarily born leaders. In many instances these qualities may be developed. Study of successful leaders and observation of other supervisors can be helpful, but above all there must be a keen desire to acquire the essential traits of leadership and the courage for self-analysis.

(To be continued next month)

### MAINTENANCE - ITS MEANING

by Maintenance Division Staff

Maintenance as commonly applied to highways means their upkeep in the condition they were in when taken over from the contractor. Maintenance is a science, also an art. It is not written in books but must be acquired in the field y being confronted with a certain condition and then successfully

coping with it.

Reams have been written about maintenance, usually ending up with one man's (the author's) judgment in the problem to the exclusion of the judgment of other men with a similar problem. Then, too, when one attempts to use the judgment of the author, he finds circumstances in the case which were not taken nto account by the author and in trying to correct, he must necessarily vary the treatment in order to compensate for them, and before ong he finds that he is embarking on a completely new method.

For instance, when contemplating a sealing program, the available money may cause him to decide upon pea gravel for his aggregate. He knows that this material is not as good as crushed material but, in some cases, it is available at less cost. He must decide what kind of asphalt to use and the method of applying it. He must

decide between the lower grades of cut-back asphalt, ranging from MC 2 or 3, to more refined grades of RC 2 or 3, and in some cases the asphalt emulsion EA 1 is decided upon. The method of applying them is virtually the same except that the distributor must be unclogged before beginning the day's work.

The asphalt must be heated to some predetermined degree, depending on the outside temperature at the time of application. Then the rolling must follow the application of the chips and again depending on the operator's opinion whether one pass is sufficient or whether a half-dozen passes are necessary to stick the aggregate and keep traffic from scattering the cover.

Some operators use one roller and others three or four. The rate of progress of these men will be found satisfactory and each one will be able to show satisfactory proof why his method is the best from the final result. It would require considerable temerity to require 10 to 15 foremen of sealing crews to change their methods to conform to the ideas of one man as to the best method to use when so much is involved --- equipment, money, and time.

Then, you have the traveling public to satisfy. When they are not passing by at 60 or more miles per hour, some of them offer caustic comments if forced to use oneway traffic or if they are delayed a few minutes. Most of them are agreeable enough but a few try the patience of Job, let alone the ordinary highway flagman.

This sealing operation is only a single instance of a maintenance man's complex duties. If he is thinking of making repairs to a concrete road, he needs to amine the broken areas carefully to ascertain whether a quartersection or a half-section needs to be removed to cover the break. whether the patch needs to be thicker than the original pavement and how much thicker, how deep to excavate the base, and what kind of fill should be used. If he has a wavy or corrugated stretch asphalt to repair, should he use a grader and "clip" the corrugations and seal the exposed material, or should he use a scarifier or a pulverizer and tear the base up and relay it - or could he achieve the same result (a smooth riding pavement) by skin-patching to level up the surface.

The shoulders require attention. The culverts and the drainage must be kept functioning, the right-of-way cleared, and many other items too numerous to mention, all of which make for proper maintenance of our highways.

### BE CAREFUL WHAT YOU SAY

Submitted by Newt Carter Reproduction Room

In speaking of a person's faults,
Pray don't forget your own;
Remember those with homes of glass
Should seldom throw a stone.

If we have nothing else to do
But talk of those who sin,
'Tis better we commence at home,
And from that point begin.

We have no right to judge a man
Until he's fairly tried;
Should we not like his company,
We know the world is wide.
Some may have faults and who hasn't
The old as well as young;
Perhaps we may as ought to know
Have fifty to their one.

I'll tell you of a better plan;
You'll find it works full well;
To try my own defects to cure
Before of others' tell.
And though I sometimes hope to be
No worse than some I know,
My own shortcomings bid me let
The faults of others go.

Then let us all when we commence
To slander friends or foe,
Think of the harm one word can do,
To those we little know.
Remember, curses, sometimes, like
Our chickens, "roost at home."
Don't speak of others' faults until
We have none of our own.--Anon.

### 50,550 PEOPLE SEE HIGHWAY DEPARTMENT EXHIBIT

The Highway Department exhibit shown at the Arkansas Livestock Show and Rodeo in Little Rock, October 4-8 was a decided success. There were 50,550 people who passed through the doors of our pavilion to view the exhibit and expressions of appreciation were voiced by the majority. Approximately 20 thousand special edition Highway maps were given to visitors.

The movie film, "Happy Holiday in Arkansas," was programed to be shown in 15-minute intervals, however, the demand for it was so great that it was shown continuously except during the noon hour when television and radio broadcasts were being made on the platform in front of the exhibit. The roadway cross-sections received intent and prolonged study by most of the people and seemed to be a very popular part of the exhibit.

The glowing praise from school teachers was particularly heart-warming — and a surprising number of young adults made it a point to study the exhibit carefully. It is a good sign when the younger generation takes an active interest in the welfare of our state. They are the ones who will carry on the work in years to come. Many helpful suggestions were offered and will be used in future exhibits.

Margaret Wohrman and Jack McKay, with their wonderful "gift of gab," did an excellent job of announcing and lured many people into the exhibit that might have passed it by. Special tribute is also due Adrian Webb, Sign Shop, whose endeavors in the construction of the exhibit and as trouble shooter during the entire week were outstanding.

The Committee, headed by Fred Herring, assisted by C. Don Hayes, Otha Hewitt, E. L. Wales, John Hume and Johnny Gray did an absolutely "super" job...And we take this opportunity to commend the personnel without whose enthusiastic and untiring work this could not have been the undoubted success it was:

Construction: Charlie Wright, Adrian Webb and crew. Van Campbell and crew. Louis Gershner and crew. Pat Fisher and crew, P. L. Harris, Dutch Hilton, and Cecil Elliott. Guides: John Hume, Jim Carvell, Asa McCord, Cameron Lowe, Buddy Lewter. Announcers: Margaret Wohrman and Jack McKay. Hostesses: Katherine Jones, Mary Lou Day, Jean Lowrey, Ruth Cantley, Maxine Weaver, Norma Miller, Jane Huff, and Faye Baker. Projectionists: James Willard, Jesse Thomas, Lee Gibbons, and F. C. Bogart, Guards: Dewey Hogue and D. L. Green. Electricians: P. L. Harris and Dutch Hilton.

### THE NEXT GREAT STEP

by Guy W. Cobb Drainage Consultant

This article is taken from Mr. Cobb's address to the Mississippi Parkway Convention which was held in St. Louis, Missouri, October 7

The next great step is construction. We must begin to build the Great River Road.

Each state may build a section this year, another the next, slowly forging the links in the chain on both sides of the stream, until the Parkway is complete and the river flows between the ribbons of the roadway on either shore, like a great liquid mall.

In the upper reaches, we may be able to stay close to the water's edge, following the low banks or above the high rock cliffs that overlook the shining water. But as we progress farther downstream, the topography will cause us to make detours, sometimes to avoid railroads which have preempted the water level route, and sometimes to avoid great cities or impassable swamps. Sometimes, too, the detour will be made to reach some memorable site which is a part of the history of the great valley, and this historic place must be made into a park, accessible to future generations. Always, however, the road will come back to the central mall, the Great Mid-Continent Drain.

The Arkansas Parkway Commission has designated the temporary route of the Parkway to enter the state on U.S. 61 at the Missouri border, follow it to intersect U.S. 79 at West Memphis, then follow U.S. 79 to intersect U.S. 65 at Pine Bluff and on to the Louisiana border.

The section between the Missouri border and West Memphis is a permanent route through the Alluvial Valley of the St. Francis Basin. Here the foliage is green, the soil is black, the cotton is white, and the choppers sing as they swing their hoes behind the high green Mississippi levee which protects a beautiful valley richer than that of the Nile.

The permanent route would turn off of U.S. 79 at Marianna and run south down Crowley's Ridge through Bear Creek Park to Helena on the terminal moraine that is the end of Crowley's Ridge, and then turn west to cross White River at St. Charles. Because we would like for the route to be located closer to the Great River, we hope to change the other sections of this temporary location as fast as the new links in Highway 1 are completed.

The Arkansas Highway Department just let contracts to pave has Highway 1 from Indian Bay to the ferry across White River at St. Charles; from Gillett to Pendleton and crossing the Arkansas River just 2 miles west of Arkansas Post. Both of these sections are through timbered country which is in an almost primitive state. Both of the rivers are crossed by ferries which will be improved. However. at a later date bridges will be constructed across the White and the Arkansas on this route.

A 6-mile section of Highway 1 between Indian Bay and St. Charles crosses the White River National Wild Life Refuge. Travelers crossing it and the lower edge of the Grand Prairie between St. Charles and Gillett during the season of October 15 through March 15 will see clouds of migratory birds.

Arkansas Post, 2 miles northeast of Pendleton Ferry on the north bank of the Arkansas River is a State Park. It is the site of the first settlement by white men west of the Mississippi; and the fortifications, built by De Tonti in 1686, are still visible. We hope to rehabilitate Arkansas Post and pave the access road and trails that run through this park.

We in Arkansas think that our next great step should consist of getting as much as possible of our Parkway system constructed to Parkway standards. Of course, the preferred route of the Parkway should closely follow the Great River, but we realize now that we must wait a while for construction to start on this location. However, plans are being pushed to build a bridge at Helena, Arkansas' chief port near the place De Soto first crossed the Mississippi. When this bridge is completed, it will form a connection with the Parkway selected on the Mississippi side.

The Parkway once completed will last as long as civilization exists because it follows the river. As Mr. David C. Beaman once said:

"Although the tomb of Moses is unknown, the traveler of today slakes his thirst at Jacob's well.

"The golden house of Nero is a mass of ruins, but the Aqua Claudia still pours into the City of Rome its limpid stream.

"The temple of the Sun, at Tadmor in the wilderness, has fallen,
but its fountain sparkles in the
rays of the morning as when thousands of worshippers thronged its
lofty colonades.

"And if any work of this generation shall rise over the deep ocean of time, we may well believe that it will be neither palace nor temple, but some vast aqueduct or reservoir; and that if any name shall hereafter flash brightest through the mist of antiquity, it will probably be that of the man who in his day sought the happiness of his fellow men, and linked his memory to some such work of national utility or benovelence."

### AROUND THE BUILDING

Our warmest congratulations to A. W. Hardy, Utility Engineer in the Right-of-Way Division, who was elected president of the Mid-South Section of the American Society of Civil Engineers at a meeting held in the Lafayette Hotel October 22. We are very proud of this honor conferred upon Mr. Hardy and are happy with him that he was the unanimous selection of the Nominating Committee. He replaces Sidney W. Chandler, Jackson, Mississippi, who presented him with the presidential gavel immediately following the election, at which time he took over the duties of the president and presided over the remainder of the meeting.

Mr. Hardy is well-qualified to serve as president of the ASCE and has taken an active part in the Society for a number of years. He served a term as vice president during 1954, and was president of the Little Rock Branch in 1953.

\* \* \* \*

A. E. Johnson was in Washington, D. C., October 5-9 to participate at the Industry Committee Meeting headed by General Lucius Clay.

\* \* \* \*

Guy W. Cobb, Drainage Consultant and Secretary of the Arkansas Delegation for the Mississippi River Parkway, attended the Parkway Convention which was held in St. Louis October 7 through October 9. Miss Willie Lawson and Director Herbert Eldridge visited Clinton, October 14, where Miss Lawson was the featured speaker at a community meeting and dinner, sponsored by the Clinton Chamber of Commerce. The Clinton PTA served the dinner and citizens of Van Buren County, interested in the improvement of Arkansas highways, were publicly invited to attend the meeting.

\* \* \* \*

Director Eldridge addressed the Civitan Club, October 7, in Little Rock, and his subject included the procedures being applied to help fulfill our highway needs of today.

\* \* \* \*
The annual meeting of Southeastern Association of State Highway
Officials was held in Nashville,
Tennessee, September 28 through 30.
Arkansas Highway Department Officials attending the meeting were:
Herbert Eldridge, Highway Directors

Herbert Eldridge, Highway Director;
A. E. Johnson, Chief Engineer; A.
G. Rives, State Maintenance Engineer; Ward Goodman, Bridge Design
Engineer; Kent Brown, Engineer of
Surveys; George Fry, Engineer of
Roadway Design; E. L. Wales, Engineer of Materials and Tests; E. E.
Mashburn, Construction Engineer;
Fred Herring, Engineer of Statistics and Analyses; C. Don Hayes,
Director of Equipment and Procure-

ment; and J. R. Henderson, Director

of Accounting.

## HEADQUARTERS—

ADMINISTRATIVE DIVISION

Betty Lane - Reporter

Many happy returns to Ferol Jones who celebrated her birthday on September 25. Mr. Scott honored erol with a birthday luncheon at Lido's with Joyce, Margie, and Betty attending.

\* \* \* \*

Billy Bob and Linnie Thrasher went fishing over the October 16 week end at East Lake and talk about excitement! Mrs. Thrasher was at the end of the boat with Pistol, their dog, in her arms to keep him warm and just holding the Tishing pole and line in the water with one hand, not expecting a bite, when all of a sudden something gets on her line! It must have been quite a tussle, for after inally maneuvering the fish away from the logs and brush into clear water (all this with one hand and many squeals while still holding Pistol), the fish was landed and hauled in with a net. Mr. T. was afraid the net wouldn't hold the fish, but it did -- a beautiful 52-pound bass! And Mrs. T. was fishing for crappie! It sure will make a nice trophy -- not counting the fun it was catching it.

Judy Jones, Ferol's ten-year-old daughter, spent the entire summer on Long Island with her two aunts. Judy says one of the most exciting things was her plane trip to and from New York. She also took trips to Washington, Virginia, Pennsylvania, and Massachusetts. She spent a few days on her aunt's 40 foot cabin cruiser traveling up and down Long Island Sound.

\* \* \* \*

V. E. Scott was a guest of Harry Wright's at Lake Hamilton over the October 2 week end.

ACCOUNTING DIVISION

Jimmy Zinn - Reporter

We spread the welcome mat to the following employees who have joined our office force: Lucy Yearly, retirement; Norma Miller, voucher clerk; and Bill Hayes, auditor. We are happy to have all three of you as co-workers and hope that you will enjoy working with us.

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We are eagerly awaiting that squirrel mulligan-stew which we feel sure will come when our good friend Gus Powell gets his sights adjusted to those tall trees. Join us, won't you? -- Oh thanks. Gus.

EQUIPMENT AND PROCUREMENT
L. O. "Jack" Brown - Reporter

We are happy to welcome Patsy Navens, to the Procurement Office and Clem Z. Pool, Central Shops. \* \* \* \*

Bob Mosby returned to work October 4 after a 10-day vacation. He and his family visited Oklahoma and North Arkansas.

\* \* \* \*

Lucile and James Alexander left October 4 for a wonderful 10-day vacation in Arizona.

\* \* \* \*

Cecil W. Lacey, Reuben O'Neal, Joseph Stinson, and Cecil A. Jones enjoyed 4-day vacations starting October 4.

\* \* \* \*

Frank Caple returned to work September 30 after a bad session with "Virus." Glad to have you back, Frank.

\* \* \* \*

T. C. Ellis injured his right foot recently when a big piece of iron fell on him; and Charles Green suffered injuries to his right hand while unloading steel. Our best wishes to you both.

\* \* \* \*

One of our center striping machines was destroyed by fire on September 30 near Thornton. The driver, Vernon Pierce, suffered minor burns in the accident.

C. C. Howell and O. E. Wagner took their vacations during September, and both reported having a wonderful time.

\* \* \* \*

Jessie N. Patty was on the injured list the week of October 4. He stuck a nail in his foot which gave him quite a bit of trouble.

\* \* \* \*

We are very glad to have W. K. Heard back on the job with us again after being hospitalized for a week.

\* \* \* \*

Shirley and Henry Kirchoff spent the September 18 week end with his mother in Paragould.

\* \* \* \*

The following new equipment has been received through this office during the past month to replace old, obsolete equipment: 17 asphalt kettles, 1 mobile earth drill, and 2 electric welders. This equipment brings the total to 606 pieces received since January 1, 1954.

MAINTENANCE DIVISION

Dorothy Jean Lowrey - Reporter

Love is in bloom for Betty Ozment, Permit Section, and she will be setting the date soon. Betty is wearing a lovely sparkling diamond these days and we are all happy with her. Her best "beau" is a lucky guy.

# Party Line Parade 9 and vinc

BRIDGE DESIGN DIVISION

Norma Monroe - Reporter

Mr. and Mrs. Aubrey J. "Doc"
Bonner spent the week of October
11 vacationing in different parts
of the State. Doc reports that
they had a wonderful time just
driving and visiting with friends.

\* \* \* \*

Frank Battisto spent the week beginning October 7 resting and relaxing at home with Helen and Cathy Lou. He made a fast trip to Kansas City over the week end to serve as an Usher in a friend's wedding.

\* \* \* \*

Hazel and Harold Bastian motored to Chicago, Sioux City, and Kansas City to visit relatives and friends for 2 weeks recently. While in Iowa, they visited the campus of Iowa's State College. Oh, yes, while making the rounds, they visited the campus of the University of Arkansas. H. B. reported that the new Oldsmobile drove just perfectly. Harold also celebrated his birthday October 14, and we wish him many happy returns of the day.

\* \* \* \* \*

We offer our deep and heartfelt sympathies to Billy Stiles and his family in the loss of his father, W. E. Stiles, who passed away on October 4. Funeral services were held at Rolla, Arkansas. Our warmest congratulations and best wishes to Amy and W.W. "Bill" McMahon, who celebrated their wedding anniversary October 15.

MATERIALS AND TESTS

Julia Mae Halliburton - Reporter

Ray Orrell, laboratory technician, and his mother of Pearcy and two neighbors motored to Shreveport for the "Louisiana Hayride." A good time was had by all.

\* \* \* \*

Have you seen Grady Putman's Model T. Shirt? It's real fancy!

Granville Roark's family has increased --- a wonderful little collie dog.

\* \* \* \*

We have been hearing a lot of deer and duck talk from Thornton Rowe and Henry Dreher. Do hope Henry gets to keep all of his shirt this year.

\* \* \* \*

Alvin Edwin Wilkinson, former mayor of Williford and former employee of this Division, paid us a visit recently. We were all happy to see him.

\* \* \* \*

R. C. Turney and Georgette had week-end visitors from Willebrook, Belgium. They were neighbors of Georgette before she married R. C. and came to Little Rock to live.

-15-

## Party Line Parade of end

ROADWAY DESIGN DIVISION

Peggy Beck - Reporter

"Bud" Smith just returned from a week's vacation which he spent with his mother in Jonesboro. Bud came back with the report that he "just loafed," but I believe he worked pretty hard though! He helped "fix up" his mother's house.

Roy Coulter is building a cabin cruiser. It will be quite a large boat with two bunks, and he plans to have a ship-to-shore radio in it. Our Roy is quite a carpenter. Doubt if we shall see very much of him next summer as he will be "Lake Hamilton" bound. (He's trying to figure out the schedule right now.) Good luck, Roy.

\* \* \* \*

We are glad to welcome A. O. Flowers back home. He is in good health now, and looks very well. He has been absent from work for about 6 weeks having been in the hospital. So we surely were glad when he returned.

\* \* \* \*

Faye Baker, with the 18-inch waist, was one of the hostesses at our exhibit during the Livestock Show. She was very enthusiastic over the film "Happy Holiday in Arkansas" and reported the Highway Department had the very best exhibit at the Show.

Myrtle Miles just returned from a trip to Kansas City. She flew both there and back, and enjoyed the trip immensely. She visited friends in Kansas City and attended the Christian Scientist Association for one day. She said that Faye Baker took over her desk and carried on the work for her while she was away and that she really did a good job.

CONSTRUCTION DIVISION

Doris Parks - Reporter

October was a big month for this reporter. Besides celebrating my birthday on the 25th, I shall become Mrs. Charles Hodge October 30. Isn't it wonderful? The wedding will take place in the Second Baptist Church at Eighth and Scott Streets, Little Rock. (We offer our heartiest congratulations to Doris and Charles with best wishes for every happiness in the future. In next month's Party Line Parade we will give a full and complete account of the wedding.

\* \* \* \*

Many happy returns of the day to "Fat" Matthews who celebrated his birthday October 8. We presented him a birthday cake.

\* \* \* \*

We welcome Geraldine Kissire and Richard Connell back home to our Final Estimate Section.

# Party Line Paradens and ymog

RIGHT-OF-WAY DIVISION
Nancy Sipe - Reporter

The Right-of-Way Division, the bunch that never goes after anvthing half-heartedly, pitched an "outing" on Sunday, September 26, at Williamsport on Lake Hamilton. Williamsport, being made available our little blond secretary, is h ideal spot for such festivities and we all enjoyed the boat rides. swimming, dancing, cards and, as usual, the primary thought of this department -- food! Charcoal broiled chicken dinner was served in late afternoon. Those present were: Mr. and Mrs. Nelson, Mr. and Mrs. Bill Terry, Mr. and Mrs. Bill Rainwater. Beverlye Hart, Mr. and Mrs. McLeod. Mr. and Mrs. Bogart. Mr. and Mrs. hamp Clark, Mr. and Mrs. George Mowell, Mr. and Mrs. Kenny Sipe, AND "Tootsie," George's dachshund. \* \* \* \*

Birthday parties in this section one a "must" each month. This last one, there were three birthdays and Zelda Mae Riggs came through as usual with her luscious cakes. Those celebrating birthdays were Eugene Nelson, September 13, C. V. Clark, September 15, and F. C. Bogart, September 16. We also celebrated Jean Redwine's birthday in our department September 21. Our "Happy Birthday" is really beginning to sound professional.

DISTRICT I

WYNNE

Mildred Stacy - Reporter

CONGRATULATIONS and best wishes to Mildred and Herschel Stacy on the arrival of their first child, Robert Herschel. "Bob," who arrived October 1, weighed in at a hefty 8 pounds 8 ounces. The office force is certainly missing Mildred's sunny smile while she is on leave of absence and is eagerly looking forward to her return.

\* \* \* \*

Our best wishes go with Ann Nunnally, daughter of our District Maintenance Superintendent, as she begins her college career at Hendrix College at Conway. Also Ed Hamilton, son of our Assistant District Maintenance Superintendent, as he returns to the University of Arkansas, Fayetteville, for his third year.

\* \* \* \*

School bells rang for the first time this year for little Susie English, daughter of District Fuel Clerk, Maxine English. Although Susie is only a first grader, her natural leadership ability has already acclaimed her as a "recess ring leader."

\* \* \* \*

The appearance of our lot has certainly improved since the arrival of 11 bright, new, shiny pick-up trucks.

Bert Smith and his brother, Bill, attended the Air Show at Memphis Airport, September 26. Bert's vivid account of the almost unbelievable aerial acrobatic performance by the renown Thunderbird Group and the faster-than-sound feats by the other jet planes brought the show back to us in all its glory and was thoroughly enjoyed by all.

Congratulations to Tommy Lee Curtner, son of our mechanic Le Roy Curtner, who celebrated his seventh birthday October 3. Tommy had quite a day, complete with birthday cake, presents, and all the trimmings which he sweetly (?) shared with little brother. Danny.

"Get well" wishes go to Howard Pittman who seriously injured a finger while working on a bridge last week. The whole gang joins in the hope that you will be back with us before too long, Howard.

\* \* \* \* \*

\* \* \*

Leonard Roberts, maintenance foreman; Uliss Ellis, crane operator; B.J. Hale, mechanic; L. E. Bryant, patrol operator; and Alvin Lee, truck driver, are just a few of the several vacations which are scheduled for dates during the squirrel season. Do you suppose that this is just a coincidence? Or could there be that ole "call" of the hunter???

Our loss was Uncle Sam's gain when Billy Jack Morris of Palestine and Ernest Ray Simpson of Marion left District One for duty with the United States Army. Our very best wishes go with these boys as they begin their new jobs with our Armed Forces and we hope to hear from them from time to time.

\* \* \* \*

Out on a recent week-end jaunt, Mr. and Mrs. Day Cogbill visited Norfork and Bull Shoals Lake and several other points of interest in that vicinity. On their way home they toured Diamond Cave, near Jasper. Day, who is our District stock clerk, is definitely the office leader for the "See Arkansas First" boosters.

\* \* \* \*

There were many big smiles approval seen in our District on September 28. The reason? Our very efficient sealing crew, under the supervision of Jeff Lindley, had just completed the last section our District to be sealed. These men certainly deserve a big round of applause for a job well done.

Congratulations to the Thomas Kay's who have recently become proud "Home Owners." Tom, Mrs. Kay and Little Danny have just moved into their lovely new home on a 5-acre lot, located 4 miles from Wynne, high atop Crowley's Ridge.

\* \* \* \*

# Party Line Parade 109 enil VIII

DISTRICT 2 PINE BLUFF
Inez Royston - Reporter

Belated, but our very heartiest congratulations to Mr. and Mrs. Guy Smith, proud parents of a wonderful little son, and their first child, who was born on August 27. Guy is employed as a pile driver operator with our bridge crew.

\* \* \* \*

Our bridge crew is centering its efforts on 10 precast slab bridges on Highway 153 in Arkansas County over the Big LaGrue Bayou. This job is nearing completion and as Joe Tice, the bridge foreman, expresses, "It will sure be another 'bugger' behind us."

\* \* \* \*

Many of the bridge crew have expressed their enjoyment in reading "Arkansas Highways."

\* \* \* \*

Clarence Crabb, a former Highway employee and a good friend of our Ralph Morrison, died September 7 of a heart attack. We offer our deep and sincere sympathies to his family in their bereavement.

\* \* \* \*

Billy R. Henderson, Jake Franks and James Henderson have recently returned from their annual leave; and others who will begin theirs next week are: Samuel Doss, Jr., Ben F. Jackson, Joe Savage, and R. B. Waller,

Carl Byrd, with our Cleveland County crew, started his vacation October 4. Cleet Harper of this same crew also chose that week for his vacation so as to try his hunter's luck during the squirrel season. AND while we are on the subject of squirrels, "Can you top this??" On October first, Ralph Morrison went squirrel hunting and bagged his limit in 30 minutes and was back in Rison at 7:15 a.m. The Sheriff of Cleveland County was with Ralph and he also bagged his limit by 6:40 a.m. The last report we had, they were looking forward to "mulligan stew."

\* \* \* \*

Our best wishes go to Miss Lula Lucus of Mammoth Springs, sister of H.R., who is in the Davis Hospital at Pine Bluff following surgery on October 6. Miss Lucus is reported to be doing very nicely and we all wish her the best of luck for continued improvement with the hope that she will soon be well.

\* \* \* \*

Your reporter, Inez T. Royston is taking her vacation, beginning October 16 and will spend 2 weeks with her sister and husband, Mr. and Mrs. F. A. Arnold of El Paso, Texas. That American Airlines ticket for the round trip is already tucked away, waiting for a few more days to pass. This tour to El Paso is an annual affair.



The following employees are enjoying a few days annual leave at this time: John D. Gavin, Will S. Rabb, James E. Cockrell, Floyd Fulbright, Hollis Lisenby, Willard P. Johnson, Cleet Harper, Arthur Reed, Carl Byrd, Joseph J. Doss, Robert Jarboe, W. H. Kyle, James Judkins, Elmer Wilson, Barney M. Doss, Robert H. Rinehart, James F. Burks, Will S. Rabb, Jess Taylor. This annual vacation with pay is a source of great pleasure and satisfaction to our hourly men and something they greatly appreciate.

DISTRICT 3 HOPE
Olive Jackson - Reporter

We offer our congratulations and best wishes to Jay Roberts and his bride, the former Janell Hipps, who were married September 11 in Prescott. Janell is the daughter of Mr. and Mrs. Virgil Hipps of Delight.

\* \* \* \*

Sam Doss, our bridge foreman, is now rebuilding a bridges on Highway 82 between Lewisville and Garland City. An interesting light on this project is that these same bridges were originally built by Sam back in 1928.

\* \* \* \*

Lester Garrett, power shovel operator, has resigned to accept a job in Chicago. Good luck, Lester.

To Harvey McCorkle we extend our deep and sincere sympathies in the loss of his beloved wife who passed away on September 24 after a long illness. May God in his loving way bring comfort to your heart and mind.

\* \* \* \*

Ardell Clark, District assistant maintenance superintendent, and Mrs. Clark spent the week end of October 9 in Fayetteville visiting their daughter who is a student at the University. They also enjoyed the Arkansas-Baylor football game while they were there.

\* \* \* \*

We congratulate Ted Maryman for the excellent job he has done conducting our First Aid classes. Just recently one of his students had the opportunity of rendering first aid (with very good results) to a co-worker who had received a head injury.

\* \* \* \*

The Ponder quadruplets of Murifreesboro were in the parade during the Fair in Prescott last month. Mr. and Mrs. G. L. Ponder are the proud parents of the quads, and "Pappy" Ponder is a Highway employee in Pike County.

Next to faith in God,

is faith in labor -- and self! But in idleness,

there is perpetual dispair.

## Party Line Parade 109 9 11 W

DISTRICT 4 FT. SMITH Faye Carter - Reporter

The week of September 20 was thoroughly enjoyed by Mr. and Mrs. Homer Hill. They met some friends in Hot Springs, and report that the fishing was absolutely great. This is the first time Mr. Hill as gone on a vacation during his ntire 21 consecutive years with our Highway Department.

\* \* \* \*

Mr. and Mrs. Thelmer Smith were happy to report that his brother, Jennings Smith, and his family from California spent their vacation visiting with them. Jennings is a former Arkansas Highway Department employee and will be remembered by many friends.

Our deepest sympathies go to the T. D. Reid family. Mr. Reid passed away after being ill for quite some time. We also extend our sincre sympathies to Mike Garner and his family in the loss of his son-in-law, Malford McGee, who passed away on September 22 after a long illness. Our hearts go out to both of these bereaved families with sympathetic understanding.

We were sorry to lose two employees last month: Frank Dilbeck from Polk County, and Don Young from Logan County.

Our Franklin County Crew is feeling much better, thank you. Uth Stiles, Emmit Gilbreath, and R. H. Hill, spent a week fishing and just resting, and Clarence enjoyed his vacation Gilbreath visiting his daughter and family, in Joplin. There is nothing like a get a person in a vacation to of mind and ready to happy frame the ball" when back really "hit on the job.

### RECIPE FOR ANY AGE

Submitted by Irene Hawkins Fuel & Inventory

PERK up. EGG yourself on. Never FRITTER away your time or LOAF on the job and you will always be worth your SALT.

\* \* \* \*

Don't let trivial things BURN you up. Keep your temper from BOILING over and you will never be in a STEW.

\* \* \*

Remember, you don't have to be HARD-BOILED in order to keep from being HALF-BAKED. Don't SPONGE on your friends or ROAST them about their mistakes.

Keep your thoughts in APPLE PIE order and when you COOK up something; always give it a worthwhile FLAVOR.

DISTRICT 5 BATESVILLE
Mary Lee McCown - Reporter

Mr. and Mrs. Coy Frazier spent the week end in Fayetteville recently visiting with their son, James, who is a student at the University there. Coy is employed as a mechanic in our District Shop and a very good mechanic, too, we might add.

\* \* \* \*

Mrs. Bert Mathis, wife of our maintenance area foreman at Salem, underwent a major operation in the Harrison Hospital recently. We send Mrs. Mathis good cheer and offer her our very best "get-well-quick" wishes with the hope that her shut-in days will be few.

\*

Bill Huff, patrol operator, and his family are vacationing on the West Coast. They took off in a "brand-spanking-new" Plymouth and Bill reported, before they left, that they were anticipating a very wonderful trip.

\* \* \* \*

Charlie Matthews, John Young, Bernard Bice, Leck Owens and Edgar McClure opened squirrel season by spending the very first week end over at Lake Norfork. The fellows reported that they had a very successful trip -- all that they could eat, AND THEN SOME! Well, I 'speck that trip will be repeated!

G. G. Carter and his wife spent the week end of October 9 in Little Rock. G. G., our District equipment supervisor informed me and I quote, "I made this trip so I could get my name in the Highway Magazine and then my friends would know my whereabouts." It would be marvelous if everyone would help by letting us know their "where abouts" when they do things. How about it, fellows?

DISTRICT 7 CAMDEN
Sula Burnham - Reporter

Squirrel season opened in District 7 with a "BANG" -- those who forgot to put in for vacation woke up October 1 with amnesia, and therefore were unable to find their way to work. I know the squirrels were very happy that their memories were restored again on Monday morning. Everyone reported bagging the limit..however, and incidentally, no one saw an D-E-A-D squirrels...???

\* \* \* \*

Many happy returns of the day to W. E. Hicks who celebrated his birthday October 8. Oh! what a celebration! We forgot the cake so we made do with two slices of white bread, with lighted matches on top and sang happy birthday to him when he came in for coffee — the coffee was real, though.

Dewey Brandon's son, William, has been discharged from the Army recently. William spent 17 months in Korea.

\* \* \* \*

Blossom's sister, Mrs. Gladys
Zeiglar of Harrison, visited in
Mr. and Mrs. Hick's home last week.
While here, Blossom, daughter Judy,
and Gladys drove to Hot Springs
to visit their brother, Clayton
Russell, of Washington, D. C.

\* \* \* \*

With mother nature's help we will complete our sealing in District 7 in about 2 or 3 weeks. Everyone worked hard all summer to make this possible -- hope someone takes the hint and starts the ball rolling for a big celebration with plenty of goodies when the work s completed.

DISTRICT 8 RUSSELLVILLE
Margaret Hamm - Reporter

Mr. and Mrs. Turk Woods were happy to have their son, James Murl, and his family with them for a week end recently.

\* \* \* \*

We were sorry to hear that weather conditions have hampered Roy Taylor's "gopher farm."

\* \* \* \*

"SOMETHING FOR THE BIRDS!" An individual is a man whose wife is away for a few days.

#### WILLIAM BROOKS HODGINS

William Brooks Hodgins, 64, of 700 Summit Street, Little Rock, died at his home October 18, 1954. He was employed as Bridge Estimator with the Bridge Design Division in the Central Office and was on sick leave at the time of his death.

Mr. Hodgins had been with the Highway Department since November 1923, and had served in many engineering capacities. He graduated from the University of Illinois and received his degree in civil and mechanical engineering from that school. He was a member of Arkansas Society of Professional Engineers and the American Society of Professional Engineers.

He is survived by his widow, Mrs. Ena Marine Hodgins, and one sister, Miss Adelma Hodgins. He was a member of Our Lady of Good Counsel Church and the funeral services were performed at that Church, October 20, with burial in the Calvary Cemetery. The Rosary services were conducted in the Healey and Roth Chapel the evening of October 19.

Mr. Hodgins' friends were many, and we join them in offering his wife and sister our deep sympathies in the loss of their loved one.

"We have loved him in life, Let us not forget him after death."
---Saint Ambrose

DISTRICT 9 HARRISON
Shirley Morton - Reporter

We want to give special mention to two of our mechanics in the District Shop on a recent "patent" of theirs. They are John Burlsworth and Paul Byrom, who have designed "CHAT BOXES" made out of steel. These Chat Boxes are designed to spread chips in 2-, 3-, 5- or 8-foot strips. It would be well worth your time to stop by our Shop for a demonstration, which John and Paul would be most happy to give at any time!

\* \* \* \*

Also, while we are handing out bouquets, it would be well to mention the fact that Clell Deakins took top honors at the Arkansas Livestock Show with his sheep! Of course, we couldn't miss his picture on the front page of the Gazette, nor those of his pretty daughters, who also won honors with their entries. Our most hearty congratulations to all the Deakins' family.

Bertha Wagley recently enjoyed a vacation at home resting and visiting with friends and relatives. Also, Paul Byrom reports he had a successful fishing trip, during his vacation, so John Burlsworth is planning to 'try his luck' in a few days! Good fishin', John!

Our best "get-well-quick" wishes to Raymond Holland, who recently underwent a major operation. We miss you, Raymond, and hope you are able to return to work soon! Also, we are happy to report Rue Madle's wife is improving after an illness and we send her our very best wishes.

\* \* \* \*

Edris Hulsey, who works in our stock room, is sporting a pretty new blue Plymouth and very proud of it indeed, as who wouldn't be? Lucky girl!

\* \* \* \*

Congratulations to Bernese and Tom Davidson, of Henderson Ferry, who are building a lovely new home near Mountain Home and expect to move into it very soon.

\* \* \* \*

We were happy to have Bill Baugh and C. M. Matthews for a visit to our District recently. Also, Hillman Watkins, the new Ferr supervisor, is a frequent visite and we enjoy talking with these fellows. We extend a hearty welcome to any of the Highway employees in the state, who are passing through town, to stop and see us.

Jack Holtby, our shop foreman, is a man with GOOD IDEAS! We just hope that he continues to bring more of those luscious doughnuts he has been furnishing lately.

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DISTRICT 10 PARAGOULD
Lottie Brown - Reporter

HUNTER'S LAMENT: Johnnie Osteen, while taking a short vacation from his welding duties, used three boxes of shotgun shells and only landed two squirrels—skinny ones, he says. We wish you better luck ext time, Johnnie.

\* \* \* \*

Our personnel was very happy to meet J. R. Henderson, Director of Accounting, when he visited here recently. Other notable visitors during this month were Bill Baugh and Warren Stanford.

\* \* \* \*

H. O. McFall has always professed that it takes "two to do the tango," but he soon changed is mind when he dropped a wooden block on his toe. Talk about a one man show!

\* \* \* \*

We in District 10 wish to commend Joe Schamer for contributing such an interesting and timely item in last month's "Arkansas Highways." We would all do well to read it carefully and apply it daily.

\* \* \* \*

Hamp Fletcher has inherited Cliff Saylor's hauling job while Cliff is on vacation. It is especially tough these days due to the arrival of heavy bridge lumber.

Our sympathies go out to Georgie Surbaugh who recently lost one of his front teeth (false tooth) while chomping on a penny's worth of peanuts. He might just as well know, though, that his whistling has really improved as a result.

\* \* \* \*

Onnie Herren has been on his vacation -- but unlike most of the big game (squirrels?) hunters, he declares that the only thing he shot was the bull!

\* \* \* \*

Congratulations to Arthur Cole, who is the proud owner of a brand spanking new home in Gainsville. Let's have a house warming, Artie!

\* \* \* \*

The fleet crew, under the able direction of Earl James, have recently completed a 43-mile sealing job which covered areas in Craighead, Greene, and Clay Counties. Our District Engineer is very much pleased with the results of the sealing program for the summer months, as are all of us.

Anniversary
issue is
nOVEMBER 5

### AHD CROSSWORD PUZZLE

## by J. W. Marshall Federal Aid Auditor

	ACROSS	48.	King Saul's grand-	97.	959	7.	A 4-gallon cask
1.	Virgin Mary's		father(1 chr.8)	99.	Famous Cleveland	8.	Discover of
	father-in-law(Lk.3)	49.	Faint		pitcher		America(1000 AD)
5.	Jonas' son (Matt. 16)	50.	Invaded Greece	101.	Brood of Phesants	9.	Puts in writing
10.	Son of Nahor and		about 1200 BC	102.	Something dis-	10.	5th son of Joktan
	Milcah (Gen. 22)	54.	A destroyed city (Gen. 18)	J.troite	creditable(Suf.)		(Gen. 10)
14.	Brother of Uz	**		103.	5th son of Jacob	11.	Ancester of fary
	(Gen. 36)		Coarse tobacco(F)	404	(Gen. 30)		Zeruhbabel (Ezr. 2)
	Unclouded sky		Point of crisis	104.	Father of Joshua (Ex. 33)	12.	Tool for trimming
16.	City on Jordan (Josh, 3)		Girl's name	105.	In contest		slate
17	Tight breeches		Month (Esth. 3)		Let it be done(L)	13.	Forbare usage
17.	(Scot.)	65.	Semblance		Allies oneself	17.	Sound (Latin)
18.	Offer again	66.	Wine(F)		THE RESERVE OF THE PARTY OF THE	25 101	Absolute
	He has said	67.	One of the Lepi-	AL DESCRIPTION	Nautical term		Place on south
	(Latin)		sosteidae family		Man's name (Poss.)	q a s	border (Josh. 15)
21.	To the top	68.	High crazy hill	113.	Latins say	22.	Issachar's first
23.	A smoke	69.	East India	-0.04	TEXTS OF TAXABLE PARTY.		born (Gen. 46)
25.	Burial place of	1	perennial herb		Cow barns	24.	Viscons substance
140	Jair (Judg. 19)		Girl's name		A particle	300	(Unabr.)
27.	Custom, duty	72.	Progenitor of viol class	119.	Supply abundantly	26.	Badly (Com. fo
30.	Man's name	71		120.	Grapes (L)	28.	Girl's name
31.	Obtrude by deception	74.	Grandson of Asher(Gen. 46)	121.	Shift suddenly	29.	Rhythmetical
	Chariot of	76.	A prodigy		(Naut.)	H	codence
	triumph(Poet)		Arabian night's		Girl's name		1919
33.	King of Hamath	//.	password(pl.)	123.	100 townships of	36.	Move furtively
	(2nd Sam. 8)	79.	Arkansas city	404	Attica (Pl.)	37.	A Duke of Edom
34.	Potas. alum.		Back to back	124.	Banishment (OF)	25 AL	(Gen. 36)
	sulphate		Relating(abbr.)	Bann	DOWN The constellation		Miriam's brother
36.	To condescend		Old Testament book	Chin	Lyra	39.	Portable chair
38.	First vertebra			vigna	hon willsten	40.	One of the 7
40	of the neck	85.	Destruction of an action(Law)	2.	Sooner than		deacons (Acts 6)
40.	Grand, large (Slang)	96	Country in W. Africa	3.	Principles		According to (F)
41	Rogues			4.	Small contemptible	44.	Boy, child (Com. Form)
		30.	Great-grandfather of Abraham (Gen. 11)	or T Pole	person	·ic	
	East Indian palms	92.	Intolerant	5.	A model	40.	Saucy or impudent speech
	Sweet clover				Slain son of		The state of the s
47.	1051		Eather of Goal (Judge 9)	200	Ephriam(1 chr.7)	50.	Man's name
			100		CONTRACTOR CARRIED TO STATE OF		



### Solution in November Magazine

78. Meridional (Abbr.)

migratorius Place where Lydda stood (Acts 9)

 Think; suppose
 Kidneys (L)
 Those who are sapient

54. Zelulon's first born

55. Coins (hark 12)

(Gen. 46)

56. Inclined to

58. Friend (Sp.)

59. Inclines
62. Jewish title of respect
64. Cry, wail
71. A brook or valley (Num. 21)

72. Memento
73. House
mosquito
4. Youngest son
of Pharez
(Gen. 46)

80. Impair

75. Turdus

- 82. Drift to leeward
- 86. Lamina
- 87. Merarite Levite of the family of Jaaziah (1 Chr.24)
- 88. Father of Hadad(Gen. 36)

- 89. Additions(L)
- 90. Famous sailor in Arabain Nights
- 91. The coming into being
- 92. Villein service or tenure
- 93. Japheth, youngest son (Gen. 10)
- 94. Name given a son of Isaac(Gen.25)
- 95. Emblems of down
- 98. Household god
- 100. Municipal (abbr.)
- 107. Recounted
- 108. Heed -27-

- 109 . Groom(India)
- 110. Boon
- 111. A river known for thousands of years
- 112. Get the odor of (Ref. Spel.)
- 114. Animal(Com. Form)
- 116. Border
- 118. A broad sash(Jap.)

