

FALL 1977



ARKANSAS HIGHWAYS



Director Henry Gray

DIRECTOR'S DESK

NEW REVENUE SOURCES NEEDED FOR HIGHWAYS

When the Regular Session of the Arkansas General Assembly ended in March, there was speculation that a Special Session, this summer, would be needed to address, among other things, the growing financial problems of the Highway and Transportation Department.

The Legislature was called back on August 2nd by Governor David Pryor, but measures to aid highways were not included in that call. There were several reasons for excluding highways during the Special Session.

The Governor wanted to limit the session to three days. For the most part, the items in the call were non-controversial in nature. Also, at the time of the call, debates were continuing in the U.S. Congress on the Energy Bill which included plans for a Federal Tax increase of 5 cents per gallon on motor fuel - a part of which might have been earmarked for improvement in our State.

It was the position of the Highway Commission, at that time, that any attempts for additional highway revenues at the State level would have to wait until the U.S. Congress took some action.

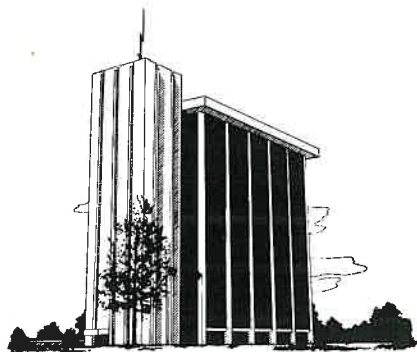
The Congress has since voted to reject the additional Federal Tax proposal as part of the Energy Bill. This action thus places the responsibility of determining the type and size of transportation programs back to each State Legislature.

The need for improved highways is evident in Arkansas. Approximately 43 percent of the State Highway System is in need of immediate attention, due to the poor surface conditions or inadequate capacity widths. Of the 16,000 miles of state highways, 1,451 miles remain unpaved. Over 3,000 miles of paved highways have deteriorated over the years because of increased traffic volumes, heavier motor vehicles, flash floods, severe winters and general wear and tear. Also, more than 2,000 miles are in need of capacity improvements which include the widening of roadways to handle the increased traffic volumes.

At the Federal level, highways are entering an era of uncertainty and indirection. It seems to be politically expedient to look toward the transportation problems of our larger metropolitan areas and disregard such facts at the existence of a rapidly deteriorating rural road system.

Due to the high rate of inflation in highway construction, the cost of incorporating environmental considerations, and the rapidly rising maintenance requirements on our existing highway system, the Arkansas State Highway and Transportation Department finds it virtually impossible to meet the existing and future highway needs within its present revenue structure. New and continuing revenue sources must be obtained which will adjust upward as prices increase in order to maintain and further improve the present State Highway System.

Arkansas Highways



VOLUME 23 NO. 4
FALL 1977
July - August - September

ARKANSAS HIGHWAY COMMISSION

GEORGE KELL, Chairman
JAMES A. BRANYAN, Vice-Chairman
J.C. PATTERSON, Member
DAVID SOLOMON, Member
PATSY THOMASSON, Member



HENRY GRAY, Director of Highways
and Transportation
B. K. COOPER, Deputy Director and
Chief Engineer

Editor

Charles Frazier

Art Unit

Larry Newman
Carolyn Bowden

Photographers

Johnnie Gray
J. Louie Greene

Prepared By
Mapping and Art Section
Planning & Research
Division

Arkansas State Highway
and
Transportation Department

Issued quarterly by and for employees of the
Arkansas State Highway and Transportation
Department, P.O. Box 2261, Little Rock, Ar-
kansas 72203 as a medium of departmental
news and other information.

Front Cover - The Fall season is apparent in the
warm colors of the Sugar Maple of the Boston
Mountains near Fayetteville. Photo by Steve
Ison.

Back Cover - The Camden Bypass located on
U.S. 79 over the Ouachita River. Photo by
Johnnie Gray.

Contents

Division Profile - Surveys	2
New Emblem Displayed	7
AHTD Announces Personnel Changes	8
Public Hearings	9
Smackover Bypass Dedicated	10
Progress on East Belt Freeway	11
The Automobile Age in Arkansas - Part III	12
Huxtable Pumping Plant Dedicated	14
Tourist Information Center Program is Ten Years Old	15
HEEP Hosted by AHTD	16
Girl's and Boy's State Delegations Visit AHTD	17
Boss of the Year	17
Julia Mae Rowe Retires	17
IPG Regional Meeting Held	18
1977 Graduates	19
AHTD Service Awards	21
Letters	22
Retirements	22
Around the Department	23
AHTD Softball	35
Mrs. Flo Hall	36

DIVISION PROFILE

SURVEYS



What does the layman think of when he sees a surveyor on the job? Many people mistakenly assume that surveying is a process of merely looking through a scope, measuring distances, laying down markers and working with maps and numbers. Much to the contrary, surveying is a process involving so many steps and methods, so much knowledge and skill among Surveys personnel, and the use of such amazingly accurate instrumentation, it is a difficult job to summarize in words and pictures.

The Surveys Division of the Arkansas Highway and Transportation Department is responsible for the initial step in getting a construction job spinning, once the job has been programmed. If it were not for the efforts of this Division, none of the other phases -- planning, design, engineering, right-of-way acquisition, or construction -- could be administered.

The Division gathers data concerning topographic and physical features of the land involved in proposed roadway and bridge construction locations. Ground surveys, as well as aerial photographs, provide accurate topographic measurement of selected land areas. By using aerial photographs, engineers can determine alignment for relocated roadways, calculate mountain heights and valley depths, and establish the extent of drainage areas for culverts and bridges.

In Calendar year 1976, the following surveys were made:

- I. Interstate, Primary, Secondary: 67 projects, totaling 163 miles and including 40 bridges.
- II. County-State Aid: 46 projects, equaling 54 miles and including 54 bridges.
- III. Numerous consultant services to the Districts, involving vertical control data, drainage areas and hydraulic studies for maintenance and betterment projects.

Division Head Bob Mattox is a native of North Little Rock. He received a B.S.C.E. Degree from the University of Arkansas and shortly thereafter, came to work for the Department. He first worked in Bridge Design Division, later in Heavy Bridge Maintenance, and then as District 3 Engineer at Hope. He returned to the Central Office as a Staff Specialist and in 1973 was promoted to Engineer of Surveys Division. He has 27 years of service with the Department. Other related activities he participates in include the Environmental Committee and the Project Planning Committee, and he serves as liaison between the Department and the Mississippi River Parkway Commission. He is a Registered Professional Engineer and is also very active in AASHTO (American Association of State Highway and Transportation Officials.) In 1975, he received a certificate for 25 years of





Bob Mattox, Division Head

meritorious service with the Association. As an outside hobby, he enjoys playing golf. He and his wife Adelle have two sons and one grandson.

Jim Trost is Assistant Division Head. A native of Green Forest and formerly a professional barber, he spent two years in the Service and graduated from the University of Arkansas with a B.S.C.E. Degree. He began working in the Surveys Division twelve years ago as a hydraulic specialist, and then in Bridge Location and Route Location. He became Assistant Division Head in 1971. He is married to the former Sue Witherington who previously worked in Right-of-Way Division. They have two daughters. Jim enjoys



Jim Trost, Assistant Division Head

vacationing and building in his free time. As Assistant Division Head, he performs administrative duties, assists in public hearings, coordinates survey needs with Photogrammetry, compiles route location study reports, and assists in all route locations.

Surveys Division is composed of several sections, each of which is broken down into special areas of work. There are two Roadway and Parcels Sections, one headed by Kit Carson and the other by Don Donaldson. The Bridge Location and State Aid Section Head is Frank Battisto. Each Section Head is a Registered Professional Engineer. Survey crews operate under each of these sections, each of which is comprised of a Party Chief, an instrumentman, rodmen and chainmen. The Party Chiefs are specialists in the survey area and have had at least 10 years experience before becoming eligible for the position.

The two other sections within Surveys are Photogrammetry, administered by Roger Taylor, and Aerial Photo Controls Section, which is under the direction of the Assistant Division Head of Surveys. Division Secretary is Katherine Jones and Secretary of Photogrammetry is Sue Walls.

Roadway and Parcels Sections

The work of the location parties begins when a job has been programmed by minute order and allotments of funds for preliminary engineering are received by Surveys. The location survey parties are responsible for all field surveys.

Prior to making the field surveys, data which may be useful in making the survey (such as topographic maps and aerial photographs) are compiled in the office. Consideration is given to the type of project, anticipated problems and any other factors that may need to be studied relative to the location and design of the project.

This information is then taken by the Party Chief and used as a basis for the survey he is required to make. The survey party will first determine the center line of the roadway by making a transit-tape survey. Next, the different topographic features within the project limits are determined and this information is recorded. This topography includes buildings, utilities, streams, fences, streets and roads that intersect the project and any other features necessary for design consideration.

The survey party also takes cross-sections of the roadway. These are taken to determine the differences in elevation of the ground within the project limits, so earthwork quantities and estimates may be made by the design divisions.

The surveyor's work is also related to Right-of-Way Division and Roadway Design Division. The Parcels Survey party make surveys to delineate property lines and to determine property owners. The party also make ties to government land corners which are necessary for the preparation of deed descriptions. After Right-of-Way and Roadway Design Divisions determine the right-of-way necessary for a project, the survey party will take the plans to the field and stake the right-of-way as shown so the appraisers (and property owners) can see the exact area of land that is to be taken by the proposed project.

On large projects there may be several alternate routes considered available. On Federal-aid projects, location approval must be given by the Federal Highway Administration before the final surveys are made.

Bridge Survey and State Aid Locations

The work of this section begins in the office where the programmed job is studied by the Section Head. Aerial photos, quadrangle maps, and topographic maps are used to aid him in determining a safe, economical and environmentally acceptable location with minimum damage to adjacent properties.

Minimum design standards such as curvature and grades are determined. All of this information is compiled, and the job is then discussed with the Party Chief. This is usually done on the job site. In some instances it is necessary to traverse the existing roadway to enable the Section Head and Party Chief to determine the most ideal alignment on paper with a minimum of alternate locations actually being made in the field. At this stage the field survey proceeds in the same manner as discussed for roadway relocations.

In addition to the survey, it is necessary for the Bridge Survey Party to plot major structures and bridges showing contours several hundred feet along the center line and 500 feet upstream and downstream. Approach work (Roadway Survey) may vary from several hundred feet on each side of the stream to several miles in length.

All of the above information is compiled and then reviewed in the office. It is then transmitted to the proper planning office with comments and recommendations pertaining to matters such as detour location, right-of-way problems, property owners' comments and requests, channel realignments, type of bridge span required, erosion problems, and involvement with other governmental agencies such as Soil Conservation Service, Drainage Districts and Corps of Engineers. Also, drainage areas for each project are

usually determined and compiled for use by the design divisions.

In addition to bridge surveys, special surveys for hydraulic analysis of existing and/or future drainage problems are made by the Bridge Survey Crew. This information is utilized in hydraulic studies for use at location hearings, by design divisions, Legal Division and other Highway Officials.

State Aid locations are similar to bridge and roadway surveys with the major difference being that these jobs are on county roads and are determined by the various County Judges.

After compiling the job site information the Section Head meets with the County Judge and reviews the project with him, usually on the job site, before the project survey begins. Alignment and design features that affect right-of-way along the project are discussed, as well as difficulties that may arise with local land owners. The Party Chief is usually present at this time and takes part in the review.

After this meeting the State Aid location party proceeds in the same manner as the Bridge survey or Roadway survey parties.

Public relations plays a major role in the work of the Section Head and Party Chief. There are constant questions from local residents and landowners concerning the project and how it may affect them and their properties. Their questions must be answered courteously, tactfully and truthfully no matter how adverse the circumstances. This usually creates better understanding of the proposed project and helps with the securing of right-of-way at a future date.

Photogrammetry Section

The work of this section is completely unique with itself. With its offices set back in the trees adjacent to the District 6 Headquarters, a highway employee could come and go for quite a while without ever knowing a section of Surveys Division was located there.

These photogrammetrists and technicians are responsible for the planning and execution of all aerial photography and photogrammetric mapping done for the Arkansas Highway and Transportation Department. All work -- from simple making a photographic print to the use of sophisticated optical plotters -- is handled "in-house." Since quality control is paramount in every step of the photogrammetric project, it is felt that all work should be done by AHTD employees.



David Hunter, Roger Taylor, Larry Fenton and Bob Paxton plan photographic flight for a mapping project.

The science of photogrammetry simply stated, involves making reliable measurements by the use of photographs, and especially aerial photographs (as in surveying). The steps that make up this realm of work are many. They are complicated and require a tremendous amount of skill, practice, confidence and sometimes a bit of trial-and-error before the perfected product is ready for distribution.

By using the special maps from Photogrammetry, many areas of highway work are simplified and more accurate than would otherwise be possible. The topographic maps are used for reconnaissance survey of the area where maps are required. They are a determinant to engineers in choosing alternate routes by showing physical features present in a proposed area of construction. They also enable the proper divisions to make detailed construction designs, whether bridge or roadway.

The beginning point of a job done by the Photogrammetry Section occurs with a request from the division for the particular work needed. The project is carefully planned to ensure that all requirements are met. When weather and sunlight conditions are satisfactory, the flight is made.

The Department owns its own aircraft, a twin-engine Grand Commander. The aircraft is assigned to the Photogrammetry Section and is used as a combina-

tion executive and photographic aircraft.

The photographic flight requires very close coordination between the three crew members. If there is any doubt in any of their minds as to the accuracy of the photography just made, it is then flown again. It is absolutely necessary that each flight strip be as nearly perfect as possible.

All photography is flown with each picture overlapping the last by 60%. This endlap permits stereoscopic viewing and is the basis for topographic mapping. If more than one flight line is required to cover a particular area, an adjacent line is made which side-laps the first by 30%.

Processed aerial film is carefully checked to determine if all project parameters have been met. This checking is done on all film flown, whether for reconnaissance, for Planning and Research Division's mapping program, for the making of topographic maps, or for the taking of photogrammetric cross-sections. After checking, the film is printed to meet the requirements of the requesting division.

All film flown is annotated to permanently identify it with the particulars of the flight. The film is catalogued for easy reference for potential users. These 60,000+ frames in the film library are the primary source of aerial photography imagery of Arkansas. This photography is also indexed into the U.S. Geo-



Bob Barnett and David Hunter install photographic camera in the Department's plane for aerial photography work.

logical Survey's National Cartographic Information Center's computer in Rolla, Missouri, making aerial imagery of the State available to any government and private customer.

Aerial imagery is available in various scales depending upon the nature of the project flown. The entire state of Arkansas has been flown at 10,000 feet altitude, or at 1"=1667' scale.

Imagery flown for topographic mapping is very specialized and is ordinarily done at lower altitudes -- from 1500 feet to 6000 feet altitudes. That photography done at lower altitudes is usually for highway design mapping and construction cross-sectioning, while photography flown at higher altitudes is for highway location mapping.

For topographic mapping, the aerial photos are reproduced on dimensionally stable mylar or glass plates. These plates are oriented into stereoplotter lens cones which precisely duplicate the geometry of the lens of the aerial camera. The images of the aerial photography are fitted to a gridded map manuscript on which all ground survey control has been plotted. The stereoplotter is adjusted so that the targeted ground control on the photographs precisely fits -- both vertically and horizontally -- the control plotted on the manuscript.

The stereoplotter operator may then compile all physical and cultural features shown on the photographs. He also draws elevation contours -- or in many cases -- automatically records spot elevations for cross-sectioning of the terrain.

Because of a shortage of stereoplotter operators in Arkansas, the AHTD trains its own. Upon completion of training, the operator is a skilled technician and photo interpreter. The section has five employees who are qualified, including Larry Fenton who is the

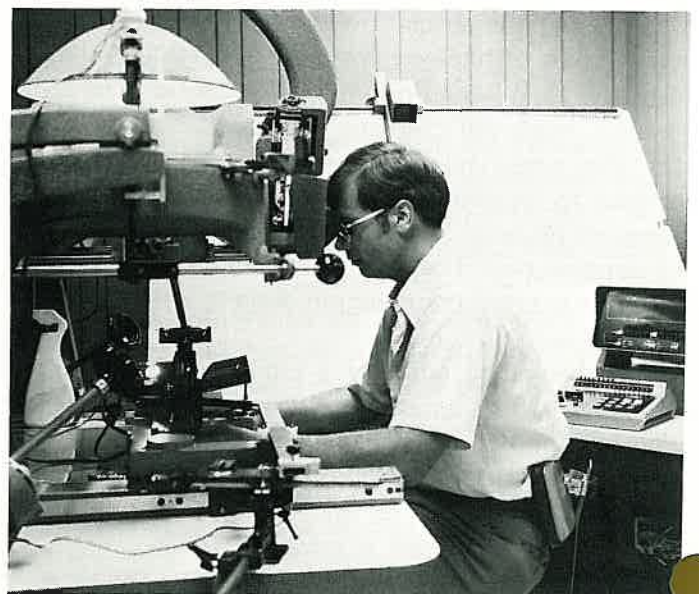
Assistant Photogrammetry Section Head. Both Roger Taylor and Larry are Certified Photogrammetrists. To be certified requires nine years of education and experience. Those certified are registered with the American Society of Photogrammetry.

After stereocompilation has been completed on the manuscript, plan or map sheets are laid out. On many projects, plan and profile sheets are made, saving some of the cost which would have been incurred by the design divisions. This is particularly true on urban projects where reconstruction of existing facilities is planned.

Manuscript information is scribed onto map or plan and profile sheets. This work is tedious and painstaking and requires a skilled "draftsperson" to perform properly. Upon completion of scribing and reproduction of scribe sheets to a final mylar form, the project is routed to the division which requested it.

It should be pointed out that photogrammetry does not replace the surveyor and designer. It does, however, supplement and compliment both of them. In most cases, photogrammetric surveys are more cost effective on large projects and in situations where survey personnel shortages exist.

The use and acceptance of aerial photography and photogrammetry has increased dramatically within the AHTD since this section was begun in 1967. From the initial employee, Roger Taylor, to the present thirteen employees, services and products have increased in direct proportion. Besides use in Surveys and Roadway Design Divisions, aerial photography and topographic maps are used by Traffic (traffic operation studies); Right-of-Way Division (gross ap-



Roy Walden operates the B8S Stereoplotter to compile all physical and cultural features shown on aerial photographs.

praisals, relocation and utility involvement); Construction Division (cross-sections for pay quantities); and Maintenance (bank erosion and computation of drainage areas.)

Aerial photography mosaics are also made by this section. These mosaics are used by various divisions for project planning, public hearings and reconnaissance of project areas. When enlarged to the desired scale, they undergo drafting and artwork before being put on display. These displays have proven to be invaluable when questions arise during hearings.

A new program is being instituted by the Photogrammetry Section. This program, properly known as analytical aerial triangulation, but commonly known as "bridging", is very simply stated, a means of eliminating part of the ground survey requirements needed for the photogrammetric project. Through several photogrammetric techniques teamed with computer programs, as much as 70% of the ground survey data normally required can be calculated electronically. This program holds a great deal of promise for use within the Department.

Surveys Then. . . And Now

The Eighteenth Biennial Report (1947-1948) included the following summary: "The thoroughness and accuracy of the work of Surveys Division is reflected in the initial construction cost as well as the continuing maintenance cost, and the cost per mile of vehicle operation. This necessitates the employment of personnel who have a keen appreciation and

knowledge of these factors in order that the economics of highway location may be properly observed. This Division as now organized is capable of expansion to any degree necessary to provide complete survey service for future road programs."

"Advanced methods are being employed through the Photogrammetric Section of this Division. Through the use of aerial photographs and mosaic maps, complete reconnaissance is made of a given area and all possibilities of routes between control points explored prior to the time the survey parties enter the field for ground work. This service is of particular value in the mountainous areas and in highly developed sections of the State. These methods have resulted in speedier, better, and less expensive location surveys than have been possible under the methods previously employed."

"The surveys during this biennium have been made at an average cost of \$192.00 per mile or approximately one-half of what they would have cost by the methods used prior to the adoption of aerial photographic method of locating."

. . . And expand they have. It is easy to see that operations have progressed drastically since the earlier days of Surveys. But the fact remains today that the Division's thoroughness and accuracy in its work is reflected in many areas -- from the contract letting of a job -- to initial construction -- to completed construction.

Surveys Division, we salute you!

NEW EMBLEM DISPLAYED

Henry Gray, Director of Highways and Transportation, displays the Department's new emblem. The new emblem was designed by the Mapping and Art Section upon passage of Act 192 of 1977 which created the Arkansas State Highway and Transportation Department. The Act broadens the Department's powers to coordinate state planning for all modes of transportation and to administer federal programs for public transportation of railroads.





Bob Parker, Freeway Engineer



Jim Gee, Assistant Construction Engineer



Mickey Reese, Assistant Construction Engineer



Dan Flowers, Assistant District Engineer

AHTD ANNOUNCES PERSONNEL CHANGES

Due to the recent acceleration of the number of highway construction projects in the Central Arkansas area, and the complexity of those jobs, several personnel changes have been made to provide more direct and concentrated supervision, particularly on the East Belt and Interstate 630 projects, according to Highway and Transportation Director Henry Gray.

Mr. Bobby Parker is being assigned as Freeway Engineer and will be responsible for supervision of all construction projects and coordination of consultant services where they are utilized for construction supervision. Mr. Parker will work under the direct supervision of the State Construction Engineer. He has been with the Department for 16 years, serving as Engineering Technician, Engineering Assistant, Resident Engineer, and Assistant Division Head.

Jim Gee and Mickey Reese have been assigned to the Construction Engineer's office and will be responsible for construction liaison duties with their designated Districts.

Mr. Gee has been with the Department for 14 years, serving as Engineering Technician, Resident Engineer, and Assistant District Engineer.

Mr. Reese has been with the Department for 7 years, serving as Assistant Resident Engineer and Resident Engineer.

As a result of these changes, it has been necessary to realign the duties and responsibilities in the Construction Division as follows:

Allan Holmes - District 1, 6 & 10

Jim Gee - District 4, 5, 8 & 9

Mickey Reese - District 2, 3 & 7

Mr. Dan Flowers is being assigned to District Six at Little Rock as Assistant District Engineer. He has been with the Department for 9 years, serving as Planning Engineer, Assistant Resident Engineer, Resident Engineer, and Assistant Construction Engineer.

These changes will relieve the District Engineer of a part of his heavy work load.

PUBLIC HEARINGS



The Goodyear Blimp advertises the Interstate 630 Public Hearing over Little Rock.

It was a busy summer for Department employees involved in Public Hearings on highway projects.

Eight hearings were held throughout the state between May 17th and August 4th.

Nearly 300 people were on hand at Mena, May 17th, to present their views concerning the proposed widening of Highway 71 from 2 lanes to 4 lanes through downtown Mena. 100% State Funds will be used if the project is built.

May 19th, the Department presented its preliminary study concerning the relocation of Highways 4 and 27 at Nashville.

The 2-lane, partial access control facility would pass east and northwest on new location.

Once location approval is received, the Department will begin design plans and hold another public hearing.

The Department's plans to construct a 4-lane divided highway between Bald Knob and Russell on Highway 67 were presented at a hearing in Bald Knob May 31st.

The 4.9 mile project would be built on new location.

Rick's Armory in Little Rock was the site of a Public Hearing June 2nd on Interstate 630, between I-430 and I-30.

Work on the 7.4 mile highway has been underway

for several years, but the Federal Court ordered a new Environmental Impact Statement after the original EIS was challenged by a local citizens group.

Construction has not begun on the eastern 2.4 miles because of the court order, but work was allowed to continue on the western section of the highway.

Of the 17 citizens who testified, only 2 opposed the project. Supporters argued that completion of the freeway was necessary for continued growth and progress in the Little Rock area.

There was no opposition expressed at El Dorado to the Department's plans to construct the 4-lane divided Highway 82 bypass.

Over 200 persons attended the Public Hearing held June 14th.

The proposed design of Highway 41 at DeQueen was discussed June 30th.

The proposed project generally consists of a 24-foot roadway on new location from south of DeQueen, north to the junction of U.S. 70B and State Highway 329.

Department personnel were in Forrest City July 14th to discuss the proposed widening of Highway 1. The Department plans to use 100% State Funds to construct a bridge over the White River near St. Charles and reconstruct Highway 1 between Crossroads and St. Charles.

A location hearing on the bridge and highway was held at St. Charles, August 4th.

The new bridge will replace the ferry that is in operation on Highway 1 at St. Charles.



Brooks Nichols explains details of the Highway 82 Bypass at El Dorado.

SMACKOVER BYPASS DEDICATED



Highway Commissioner, Patsy Thomasson, as she introduces Governor David Pryor at the Smackover Bypass Dedication.

More than 200 persons were on hand June 23rd to take part in the dedication of the 8.2 mile Highway 7 Bypass of Smackover.

Governor David Pryor told the crowd that there is not a more important eight-mile stretch of highway in the state.

"There is so much to see in Arkansas that an improved road system is a must. Tourism in our Bicentennial year brought over \$1 billion into our state and we can expect more if we continue our road programs because Arkansas has so much to offer visitors," the governor said.

Governor Pryor was introduced to the crowd by Patsy Thomasson, the newest member of the Highway Commission.

Commission Vice-Chairman James Branyan of Camden, in the dedicatory address, said, "We pray this bypass will be a safe facility that can be used for years and years to come for the economic growth of South Arkansas."

Following the dedication ceremony, officials were the guests of the Smackover Chamber of Commerce for a barbecue at Pine Hills Country Club.

Madden Contracting Company, Inc. and L.J. Earnest, Inc. of Minden, Louisiana were the contractors on the \$7.7 million project.



Tina Phillips, the reigning Miss Dierks, prepares to cut the ribbon opening the new Smackover Bypass as Governor Pryor and other officials watch.

PROGRESS ON EAST BELT FREEWAY

The East Belt Freeway in Pulaski County, a six-lane divided highway that will eventually link I-30 in Little Rock with I-40 in North Little Rock, is showing much construction activity and progress.

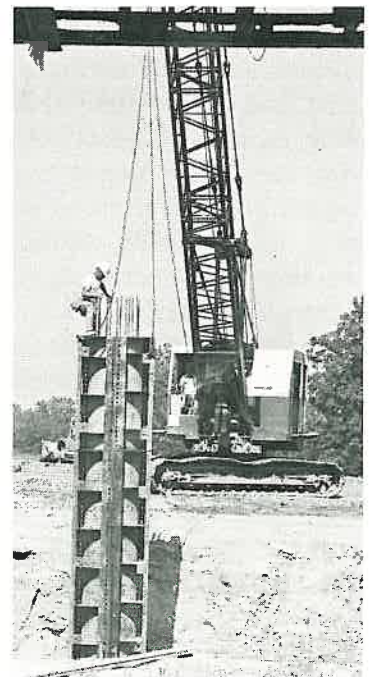
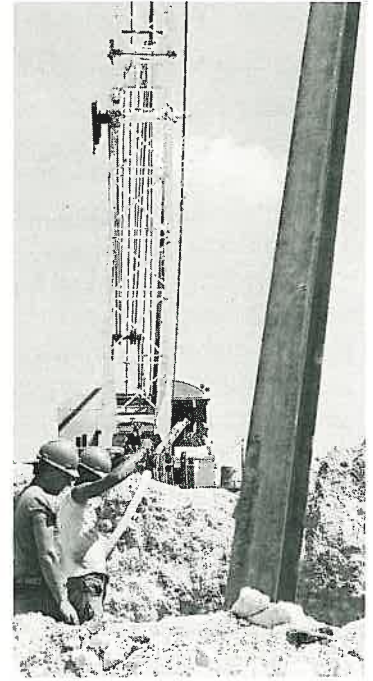
Special Urban High Density Federal Funds are being used to finance 90% of the estimated \$152 million project. This was the first of only three projects of this type approved in the United States.

The State Highway and Transportation Department probably holds the National record for the shortest time used in completing the preliminary engineering, holding a public hearing, completing design plans, and contracting the first project on an urban 10-mile freeway.

The first contracts for the East Belt Freeway were awarded in June, 1976. Since that time the Highway Commission has awarded nine contracts on the East Belt for a total of \$57.6 Million.

The entire Little Rock side of the Freeway is under contract for grading and structures. The Commission hopes to be able to let the paving contract later this year, if additional funds become available.

On the north side of the river the Commission has already awarded a \$4 Million contract on a bridge to cross over Faulkner Lake. This is the first East Belt project let on the North Little Rock side of the river.



THE AUTOMOBILE AGE IN ARKANSAS

PART III

The Improvement District Era "Districts by the Dozen" 1907-1927

By John Hume

"The Alexander Road Law" - Act 338 of 1915 - the ultimate achievement of the Good Roads Movement but far from the answer to its prayers. It cured the constitutional short-comings of the earlier legislation --- Act 144 of 1907, Act 247 of 1907, Act 242 of 1909, Act 402 of 1909 and Act 302 of 1913 --- enacted with the intent of setting up guidelines and authority for establishing and funding rural road improvement districts. The defects in this earlier legislation related almost entirely to the funding provisions written into each, i.e., the provisions for issuing bonds to cover borrowing for construction costs, assessing benefits and levying the tax to meet debt service.

The improvement district concept, per se, was not new. It was, in many ways, an evolutionary outgrowth of a major responsibility of feudal fiefdoms in the autocratic rather primitive societies prior to the rise of commerce in Western Civilization. With the rise of commerce and middle class, the utilization of improvement districts as a method of providing public works was relegated to situations where, as an aspect of commerce, it lacked sufficient promise of private profit to attract middle class enterprise thus leaving any solution up to the local interest groups. The busy channels of commerce produce their own profit-generated transport and appurtenant facilities and sustain them as long as they are productive of profit. When profit dwindles or drops out of the picture they are abandoned or transferred to public responsibility. Transport improvement districts for transport purposes are therefore more successful and attractive in highly-controlled situations such as bridges or ferries for water crossings, or causeways across marshes where circuitry of alternate travel routes is prohibitively costly. In these controlled situations the imposition of a use-fee or toll is feasible to meet the debt service costs in whole or in part.

In other areas of public need, the improvement district concept is essential for certain public works such as drainage and levee systems where the situation offers no alternative. It is also useful and attractive in urban conditions where the population density is

sufficiently high to assure a relatively low cost burden per capita.

But the rural road improvement district is a vastly different problem, especially in areas of very low population density and extensive rural area, as in Arkansas.

Arkansas' fabulously fertile and productive low country agricultural areas are paradoxically blessed/cursed with magnificent water resources. The land is so productive that very costly drainage and levee systems have economic justification; so improvement districts to construct these projects were developed quite early (1849) to supersede the inefficient and ineffective private levees and drainage works of the early planters. All the landowners were necessarily supportive of these projects in the universal either/or situation confronting low-country planters.

But not so for the rural roads of the low country. The early and large landholdings were situated along navigable streams and the owners were long conditioned to the use of the waterway for their commercial and personal transport. There was no urgency in their consideration of road improvement. Each plantation maintained their dusty plantation roads for neighborhood use and that was as far as their interest extended. Small-holders seldom, if ever, raised cash crops to be sold outside the local neighborhood market, only in trade at a general store. In this situation, the null alternative (do nothing) was always the most attractive to everyone.

It was not until the great agricultural expansion of the last quarter of the XIXth Century and the concomitant expansion of the railroads into the hinterlands away from easy access to navigable water that the need and the desire for road improvement became economically important. Even then it was difficult to assess the value relationships between the cost of road improvement and the benefit in terms of agricultural income gains. Road improvement problems were far from the simple either/or crop-or-no-crop situation of levee/drainage decisions. Planters with anywhere from fifty to two-hundred-and-fifty head of mules and oxen on hand found it much simpler to hitch on another three or four teams to drag the cotton wagons through the mud to the shipping point than to ship in tons of expensive gravel which would sink out of sight in the gumbo within a year or less.

In the upland areas of the State the pressure for

road improvement was generated very slowly prior to World War I - and then usually limited to specific local situations. In these areas commercial agriculture was not the economically important factor that it was in East Arkansas. Timber, the major cash crop of upland Arkansas, was rafted down the rivers in the spring and autumn rises. And in the uplands, all-weather wagon trails and routes for driving small herds of livestock could always be found, perhaps circuitous, but with livestock and mule power the pace was perforce leisurely.

The towns of Arkansas, -- other than Little Rock and Ft. Smith they were seldom if ever referred to as cities before World War I -- had found the street improvement district financing system successful because the costs were spread widely, an acceptable per capita burden, and the benefit (much of it in amenities) was direct and easily recognized. They developed after 1880 along with the railroad, in the economic boom and have seldom run into fiscal difficulties. It is still widely used.

Bridge improvement was not a matter of urgency prior to the Automobile Age. In the years of early Statehood, water courses which could not be forded were usually adequately served by ferries, often operated by a family who engaged in the ferry operation as a sideline to a general mercantile enterprise. In larger towns and the cities of Little Rock and Fort Smith the ferry operation was then a highly desired and profitable operation. Ferries served the leisurely commercial pace rather well over the decades prior to the economic acceleration beginning a century ago.

The railroad era in the last quarter of the XIXth Century found the use of railcar ferries inefficient and uneconomic except in certain rather unusual situations and initiated a wave of major bridge building over the waterways of the Nation. As a useful symbiotic adjunct of the rail transport function, the railroad often hung wagonways from their bridges to serve local road traffic. Bridges of this type across the Arkansas River served Fort Smith, Little Rock and Pine Bluff and across the Mississippi at Memphis, late in the XIXth Century. This spin-off from railroad development postponed interest in the major bridge improvement district concept at a time when it might otherwise have been very tempting during the years of the Good Roads Movement and the rural road improvement district debate. Minor bridges to replace ferries were not a too formidable problem with the State's enormous timber and stone materials resources and the huge hand labor reservoir to draw upon under the State's road-labor laws. Until very recent decades great numbers of minor bridges were built of untreated

timber -- and consequently required frequent replacement.

As the road improvement district funding debate heightened in the economic boom following the turn of the century, the lack of bridges in many areas generated interest in the bridge improvement district method. This interest led to support of the legislative effort to establish improvement district laws for rural roads and bridges. The bridge improvement district was far sounder from a fiscal standpoint than the road since it could effectively levy tolls or use-fees to carry the burden of debt service and bridge maintenance, greatly easing the tax burden of the district land-owners. And, of course, on the more heavily traveled routes the use was sufficiently great to make a toll facility attractive to private enterprise as a profitable project.

The first great highway major bridge building era in Arkansas began in the years just prior to World War I, as the railway bridge building era passed its peak.

The first major bridge built by a local improvement district was opened in 1912, the Garrison Avenue Bridge in Fort Smith (U.S. Hwy. No. 64) replaced in 1973. This funding practice continued until the improvement district fiscal debacle of the mid-'twenties. Twelve major bridges were built by local improvement districts and five by private corporations, all funded by the sale of revenue bonds with debt to be retired and bridge to be maintained out of toll revenue. Of the twenty-seven major bridges built prior to World War II (all in use until the mid-'fifties) the funding practices were as follows:

(with dates opened)

Toll Bridges --

Local Improvement Districts (1912-1929)	12
Private Corporations (1914-1940)	5
State Highway Toll Bridge Law (1930-1931)	9

Free Bridges --

State Funds (Harahan Viaduct - 1930)	1
--------------------------------------	---

Total 27

Twenty-four of these bridges are still in use today. Two of the local improvement district bridges and one of the private corporation bridges were replaced in the last fifteen years. The private corporations' bridges were taken over by the State during the Great Depression years and all bridge tolls on the State Highways were removed by the legislature in 1938.

The bridge improvement district funding process was a relatively rational and economic evolutionary process, fitting itself well into the socio-economic

development of the State but the rural road improvement district funding practice was quite the contrary! Contrary to their role in bridge development, the railroads did little to mitigate the growing pressures of road transportation need. In fact, rail transport augmented and accelerated that need in many situations. More than a quarter of a century of heated argument and discussion preceded the first rural road improvement district legislative enactment in 1907, Act 144/07. Earlier legislative proposals had been defeated or left to die in the General Assembly over the preceding decade. Many rural landowners were aware of the lack of parallel between rural road improvement funding resources and the funding structure in successful applications of the improvement district concept in other areas of public works such as major bridges, streets, levees, drainage, sewer, utilities et cetera. But the pressures of need in the area of road transport mounted steadily to a point of desperation as the road transport function fell behind in the rapid economic development of the new Century.

Act 144 of 1907 was like a sandboil at the toe of the conservative levee holding back the flood waters of fiscal irresponsibility and like many a sandboil it opened up the crevasse through which the rural road improvement funding concept flooded and proliferated to bankrupt many landowners in the agricultural depression of the 'twenties'.

Act 144/07 sired a handful of road improvement districts during the 1907 legislative session, a double handful in the 1909, an armful by 1911, and by 1922 there were three hundred rural road improvement districts in the State. Twelve counties had none and in several counties, the total area of the county was included in one or more than one road improvement district. To these rural road improvement districts were added about two hundred street improvement districts. Truly by the late 'twenties Arkansas had districts by the dozen.

Next - Road Funding Chaos

HUXTABLE PUMPING PLANT DEDICATED



W.T. Huxtable

The W.G. Huxtable Pumping Plant near Marianna was dedicated May 6th.

Huxtable was a former Resident Engineer and District Engineer for the Arkansas Highway Department from 1927 to 1935.

On July 1, 1935, he became Chief Engineer of the St. Francis Levee District and served in that capacity until 1958. He was a consultant for the District at the time of his death on May 23, 1960.

Among the dignitaries present for the dedication were: Senator John McClellan, Congressman Bill Alex-

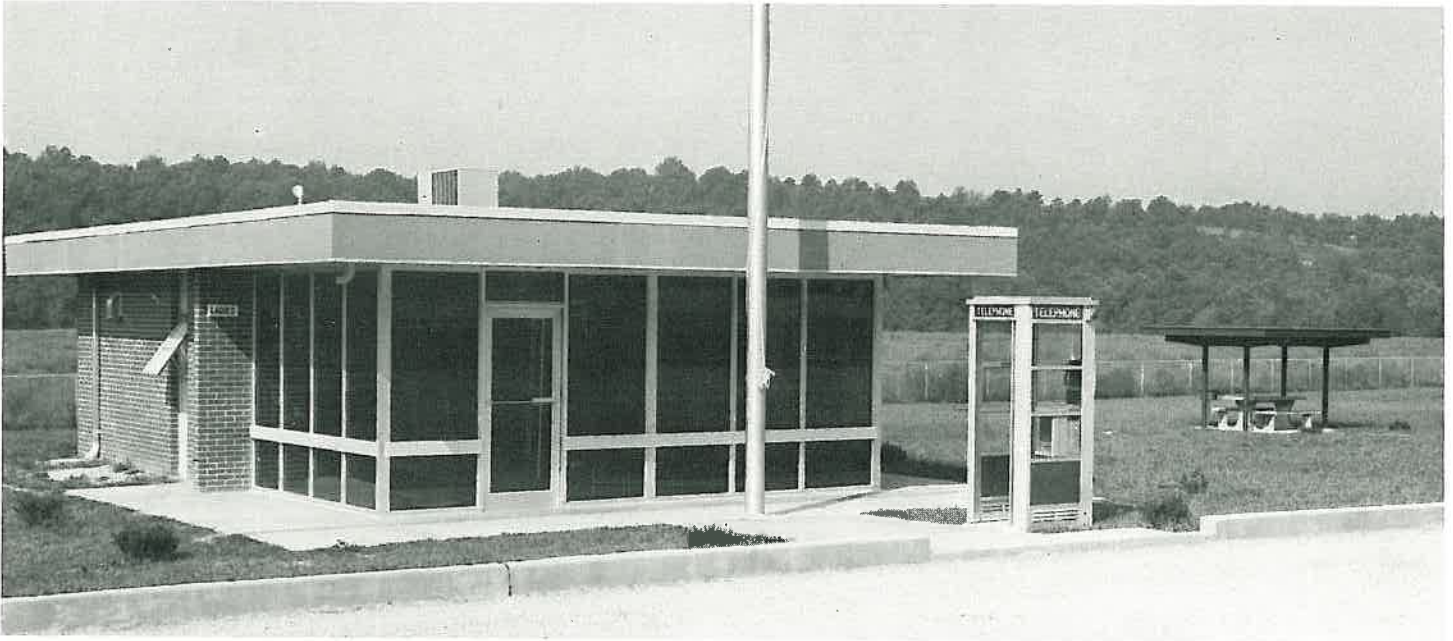
ander, Governor David Pryor, Secretary of State Winston Bryant, Speaker of the Arkansas House Jim Shaver and President Pro-Tem of the Arkansas Senate W.K. Ingram.

The Huxtable Pumping Plant is a major feature of the St. Francis Basin Project which consists of a system of levees and other structures designed to protect the basin from flooding by the St. Francis River and backwater flooding from the Mississippi River.

Former Highway Commissioner Maurice Smith is President of the St. Francis Levee District Board.



TOURIST INFORMATION CENTER PROGRAM IS TEN YEARS OLD



Employees and officials of the Tourist Information Centers celebrate the tenth birthday of the program at the Bentonville Center.

On Friday, July 29th, the Tourist Information Center program in Arkansas was ten years old.

To commemorate the event, special birthday parties were held at all eight of the centers. Of course, no party is complete without cake, candles and lemonade, and there was plenty to go around. The star of the celebration was the Bentonville Tourist Information Center on Highway 71 near the Missouri border, which was the first built in Arkansas. The Bentonville center was opened July 29, 1967.

Since that time, seven other Tourist Information Centers have been constructed and opened to the public.

The centers are constructed and maintained by the Highway and Transportation Department. Personnel

from the State Parks and Tourism Department work in the centers.

The basic function of these centers is to provide helpful information for automobile travelers about scenic, historic and recreational points of interest within the State. The centers distribute current literature from both private and state owned attractions that provide a comprehensive guide to Arkansas. Truckers, as well as drivers of other vehicles, use the centers to stop and get out of the vehicle to rest and relax, which is believed to be an excellent safety habit.

Tourists spent in excess of \$1 Billion in Arkansas last year and much of the credit for this record expenditure has been given to the construction of the Tourist Information Centers.

The centers are located at Arkansas borders along highway entry routes. They are as follows: Highway 71 near Ashdown, Highway 71 near Bentonville, I-55 near Blytheville, Highway 67 near Corning, Highway 167 near El Dorado, I-40 at Dora near Fort Smith, I-30 at Texarkana, and I-40 at West Memphis.

In addition to the eight centers in operation, one other is under construction on Highway 49 at Helena. The Highway and Transportation Department has also been authorized to construct four more centers. These will be built as funds become available and will be located on Highways 62 and 65 north of Harrison, Highway 65 at Lake Village, Highway 63 near Mammoth Spring, and Highway 62 near Lincoln.



HEEP HOSTED BY AHTD

The Highway Engineers Exchange Program (HEEP) for Area II was held in Hot Springs, Arkansas at the Arlington Hotel on June 9-10, 1977. HEEP Area II is an organization of twelve Southeastern State Highway Departments, DOTs, Universities, and other public and private institutions dedicated to the exchange of technical information in the areas of Computer Science, Civil Engineering, and Management Science for public institutions. Area II is one of the four regional areas of the National HEEP Organization whose membership is composed of the United States and Canada.

This year's technical program featured several "State-of-the-Art" computer software system presentations that included experiences with proprietary monitoring systems which support remote computer terminals. Several other presentations dealt with Civil Engineering earthwork computations from remote locations; an equipment management system using

computer terminals; and contour plotting of terrain data by automatic plotting equipment.

Of special interest to many attendees, the SASHTO Bridge Design Cooperative Effort attracted the most attention. Every state in Area II except West Virginia was represented. The effort is directed toward the development of several Bridge Design computer programs to be exchanged among the states. The organization is working to develop software that conforms to the latest SASHTO design specifications available.

Participants in the session from the Arkansas Highway and Transportation Department were C.E. Venable, Assistant Chief Engineer for Planning; Larry Allen of the Research Section; Steve Ostergren and Vershall Roy of Computer Services, and Mike Shaw of the Accounting Division.

The Session was hosted by Jim Tucker of Computer Services, who served as Director of the organization for 1976-1977.



GIRL'S STATE AND BOY'S STATE DELEGATION VISIT AHTD

Ten members of the American Legion Girl's State and eight members of Boy's State visited the central office June 9th and 10th.

The young men and women were shown the High-

way Movie and met with Director Henry Gray for an orientation session on the operation of the Highway and Transportation Department. The delegates were also taken on a tour of the central office complex.

BOSS OF THE YEAR

Bill Looney, Chief, Information Services, was named 1977 Boss of the Year by Razorback Chapter, American Business Women's Association, at its annual Boss Night Banquet on May 24. Ferol Jones submitted the winning letter on her boss. The Woodman-Stein Agency judged the nominating letters submitted by chapter members, and Dave Woodman crowned the "Boss".

Other special guests were Nancy Patterson, student at the University of Arkansas at Little Rock, and Denise Wells, student at the University of Arkansas, Fayetteville, who were presented \$500 scholarships, in observance of National ABWA Scholarship Month.



Mrs. Bill Looney, Bill Looney and Ferol Jones



Mrs. Julia Mae Rowe opens gifts as Joe Magness watches.

JULIA MAE ROWE RETIRES

A retirement party for Julia Mae Rowe, secretary to Materials and Tests Division Head, Joe Magness, was held Friday night, August 19th, at the Coachman's Inn in downtown Little Rock.

Mrs. Rowe retired with 32 years of service with the Highway and Transportation Department and a total of 35 years with the State.

Fifty-six employees and friends were in attendance and enjoyed a delicious meal. She was presented with a beautiful set of luggage from her fellow employees and friends.

IPG REGIONAL MEETING HELD



Chairman of IPG, Mr. Daniel Dake, FHWA



The IPG - (Bottom row) Daniel Dake, Blas Uribe, (C.F. McMillen, non-member) and Jeremy Coleman. (Top row) Cal Banks, Jim Ragsdale, Bob Boswell, Dave Baker, (A.E. Johnson and C.C. McChesney, non-members).



Mr. A.E. Johnson, Jr., AHTD

By Florence Routh

On June 15, 1977 the Region 6 IPG meeting took place in Little Rock at AHTD. All IPG representatives were in attendance at this meeting as well as over 50 others representing Federal, State, City, County, Regional Planning, and Metropolitan Planning Agencies.

Background

Since its inception in 1972, the Intermodal Planning Group has been a major vehicle in promoting a more coordinated transportation system in urbanized areas.

Intermodal Planning Groups were organized in each of the 10 field regions of the Department of Transportation (DOT). In Federal Region 6, which is composed of Arkansas, Louisiana, New Mexico, Oklahoma, and Texas, there are 37 urbanized areas conducting comprehensive, cooperative, continuing transportation planning processes. The Governor of each State has designated a Metropolitan Planning Organization (MPO) to be responsible for the transportation planning process in each urbanized area throughout the region.

The IPG is made up of the chief planning official from each of the DOT modal agency regional offices, the Secretary's representative, and representatives from the Federal Aviation Administration (FAA), Federal Highway Administration (FHWA), and Urban Mass Transportation Administration (UMTA). They meet on an average of once a month, generally in the Dallas/Fort Worth area, but occasionally at other locations within the region. Representatives of the National Highway Traffic Safety Administration, Federal Railroad Administration, Coast Guard, Department of Housing and Urban Development and Federal Energy Administration participate as appropriate.

Function

The function of the IPG is to promote and coordinate intermodal planning. It exercises authority only through its constituent modal administrations. Through mutual agreement, FAA, FHWA, and UMTA process urban transportation planning grant requests only after the IPG has determined that these requests represent optimum intermodal consideration.

Through its function of coordination, the IPG reviews the use of all DOT planning grant funds made available to finance planning processes. These include FAA - Airports and Airways Section 13 funds; FHWA - 1½% HPR funds (23 U.S.C. Highways 307(c), ½% PL funds (23 U.S.C. Highways 104(f) (from Section 112 of the 1973 Federal Air Highway Act), and UMTA - Section 9 funds (UMTA Act, 49 U.S.C. 1667a). This coordination is accomplished through the use of two documents, the Prospectus and the Unified Work Program (UWP). These documents are jointly developed by the MPO and the AHTD for each urbanized area in Arkansas. The Prospectus provides a multi-year framework, of which the UWP is the annual element.

The Meeting at AHTD

Federal Regional 6 Officials attending the meeting were: Mr. Daniel Dake, FHWA; Mr. Blas Uribe, UMTA; Mr. Bob Boswell, FAA; Mr. Jeremy Coleman, FRA; Mr. Dave Baker, HUD; Mr. Cal Banks, Washington Office, Secretary of Transportation; and Mr. Jim Ragsdale, Dallas DOT, Secretary Office.

Mr. C.E. Venable, Assistant Chief Engineer for Planning, welcomed the IPG and guests to the AHTD and introduced the IPG Chairman, Mr. Daniel Dake

Continued on page 20

1977 GRADUATES



Martha Bell
Valley Springs
High School



Mark Buchanan
Bryant
High School



Sonja Cahoon
Mills High School



Brian Childress
Northeast
High School



Kim Conway
McClellan
High School



Eugenia Coston
Freed-Hardeman
College



Paul Coston
Hampton
High School



Ginger Crow
McClellan
High School



Debora Crye
Des Arc
High School



Kathy Dolan
Pine Bluff
High School



Mike Dry
Bryant
High School



Lynne Finister
McClellan
High School



Donna Gailey
Bob Jones
University



Connie Grimmett
Joe T. Robinson
High School



Julie Grooms
McClellan
High School



Susan Harding
Mills High School



Teresa Harris
UALR



Cliff Hinze
Bryant
High School



Ramona Johnson
Little Rock Central
High School



Vaneesa Latson
McClellan
High School



Kathy Latture
Cabot High School



Charlotte Lewis
Rivercrest School



Cindy McConnell
Russellville
High School



Elaine Pierce
Greenwood
High School



Ester Poston
St. Charles
High School



Leslie Putman
El Dorado
High School



Dennis Rampley
Fairview
High School



Monty Riffin
McClellan
High School



Carolyn Rownd
Henderson State
University



Ronald Saunders
Rison High School



James Smith
St. Charles
High School



Linda Saunders Smith
Rison High School



Kevin Wade
Little Rock Central
High School



Katherine Weaver
Cave City
High School



Donna Williams
UALR



Steve Williams
Little Rock Central
High School



Steve Willis
Clarksville
High School

Mr. Larry Wood, Director of the Fayetteville-Springdale Transportation Study, told the group about that area's experiences in Regional Airport Planning. He stated that "a large fraction of the population is opposed to a new airport, but an equally large group is in favor of one." The people in the area of the proposed construction location are not in favor of it. A proposed bond issue was defeated, and Mr. Wood believes the airport issue for the area is dead.

According to Mr. Jeff Hawkins, Director of the Pine Bluff Area Transportation Study, an Airport Master Plan for the Pine Bluff area will be developed by the Regional Planning Commission. Mr. Boswell said the FAA believes airport planning is in good order, the main problem is implementation.

Associate Partner of Harland Bartholomew and Associates, Mr. Ed Schippman, discussed the current Railroad Relocation Study underway in Pine Bluff. Alternatives have been identified and are presently undergoing evaluation.

Mr. Jeremy Coleman thinks the main concern of FRA is with freight movement. They will assist in upgrading highways if rails are abandoned, or will subsidize maintaining non-profitable lines and financial assistance to railroads.

Transit Planning was discussed by Mr. Rex Eads, Director of the Bi-State Transportation Study (Fort Smith-Van Buren). He reported that the FY 1978 Bi-State Transportation Improvement Program recommends the purchase of 5 more vehicles for the Elderly and Handicapped with UMTA 16(b) 2 funds.

During a question and answer period, Mr. Jason Rouby of Metroplan said UMTA regulations are creating problems for Central Arkansas Transit (CAT) because they are not eligible to receive 16(b)2 funds. He said, "Washington imposes programs instead of making them available." Mr. Blas Uribe indicated that there are many administrative problems surrounding the 16(b)2 program. He said local officials should coordinate all the federal programs at the local level. It was suggested by Mr. Cal Banks that Metroplan and CAT make their views known to Congress and other bodies in writing. The DOT has formed a Policy Development Task Force to obtain local officials' comments about what the nation's transportation policy should be. The main advice of the IPG, through Mr. Dan Dake, was that local people must work their problems out basically on their own.

The meeting served to acquaint Arkansas' transportation planners and officials and AHTD staff with the IPG. It was very beneficial, educational, and everyone appeared pleased that they attended.

Continued from page 18

of the FHWA Regional Office.

As explained by Mr. Dake, one of the main activities of the IPG is determining whether the UWP's have proper intermodal functions. He stated that the IPG has no funding authority; this is left to the individual modal agencies. Mr. Dake was appreciative of AHTD efforts toward having all of Arkansas' MPO's represented at this meeting.

Mr. A.E. Johnson, Jr., Engineer of Planning and Research Division, informed the IPG of the expanded responsibilities of the Department under its new title, Arkansas State Highway and Transportation Department

The Director of the Pulaski Area Transportation Study, Mr. John Harrington, talked about planning activities in the area's Central Business District. He stated that Metrocentre is being developed to make a focal point for downtown Little Rock.

AHTD

SERVICE AWARDS

JUNE

35 Years

Newton J. Suitt, District 2

30 Years

Bryant G. Hatridge, District 7
Frank P. Hutchinson, Roadway Design
Charles H. Tullos, M&T

25 Years

Troy H. Henderson, District 6
Verlon W. Roberson, District 5
Calvin L. Rawls, District 2
Ervin C. Widner, District 9

20 Years

Donald A. Embry, District 3
John E. Livingston, District 7
Calvin E. Rushing, District 9
Edward L. Slaughterbeck, District 4

15 Years

Austin L. Coles, District 5
James C. Davis, District 7
Ralph W. Davis, M&T
Loyd V. Foster, District 10
Joseph E. Gardner, District 6
Charles H. Hesselbein, District 10
L.D. Hooper, District 7
Chester G. King, District 5
Charles J. Lawrence, District 1
Alfred E. Morgan, District 1
Edward Nissblatt, District 2
Eugene Nold, District 1
Claude C. Parton, District 7
John M. Shastid, District 4

10 Years

Clyde G. Bridges, District 8
Joe T. Millen, District 2
Frank G. Newsham, EEO
Thurman O. Story, District 5
Herbert L. Underwood, District 8
Raymond R. Webb, District 9
Thomas H. Yocomb, District 3

5 Years

Dale W. Anderson, District 3
Jerry F. Clemence, District 4
Larry D. Elder, District 4
Freelon A. Fowler, District 2
John L. Fry, District 10
Dan P. Grigg, District 9
Sammy L. Hutton, Traffic
Carl A. Jacobs, District 2
Claudie C. Johnson, District 4
Larry A. Johnson, District 3
John W. Kuhlmann, Jr., District 4
William H. Lewis, District 6
E.W. Lindley, District 1
Carl E. Lindstrom, Bridge Design
Burnin D. Morgan, District 10

Rodney Z. Price, District 3
R.C. Taylor, District 3
Brent E. Watkins, District 10
Jim D. Young, District 9
William E. Campbell, District 4

JULY

30 Years

James E. Garner, M&T
Robert L. Pinson, Weights

25 Years

E.P. Benetz, Jr., P&R
Chester C. Cooper, District 10

20 Years

Kenneth D. Kidd, District 3
Henry C. Laws, District 6
James E. Thomas, District 10

15 Years

Theodore Cowan, District 4
Coy C. Ellison, District 4
Joseph F. Kellum, District 10
Spencer Y. Land, District 5
George O. Martin, Jr., District 8
Kenneth F. McCollough, M&T
James A. Montgomery, District 9 - HF
Walton C. Wilson, R-O-W

10 Years

L.B. Allen, District 8
Jimmie D. Davis, District 9 - HF
Jesse M. Doughty, District 10
V.W. Dumas, Permit
Cecil A. Garrett, District 8
James A. Golden, District 4
Charles W. James, District 9 - HF
A.E. Johnson, Jr., P&R
Isaac A. Pointer, District 8
Verlin G. Richardson, District 9 - HF
Walton Robinson, Roadway Design
Clarence D. Roper, District 4
J.T. Sisk, District 9 - HF
William O. Vance, District 10
Betty G. Wiggins, P&R
Willard W. Williams, District 8
Robert W. Wray, District 9 - HF

5 Years

Laverne T. Arledge, District 3
Jesse N. Chatman, District 5
Charles R. Dachs, District 10
Lee V. Earnheart, District 5
Eddie M. Erwin, District 7
Olga M. Estell, District 6
Duffie B. Gage, District 6
Johnny C. Hamilton, District 7
Austin H. Ivey, District 9
Regina W. Laidler, Legal
Dale E. Lawson, District 5
James M. Mitcham, District 6

Robert C. Puckett, District 2
William M. Reed, District 2

AUGUST

30 Years

Virgial H. Shassere, District 1
Mildred A. Stacy, District 1

25 Years

Vernie Berry, District 9
Claudis M. Bryant, Traffic
Bobbie S. Wright, District 1

20 Years

Joe M. Burchfield, Heavy Bridge Maint.
George C. Weatherley, Heavy Bridge Maint.

15 Years

Eugene L. Bellomy, State Aid
James C. Carroll, District 9 - HF
Arthur H. Cole, District 1
Edward A. Fears, Sr., District 3
Neal M. Magee, Surveys
Robert S. Skidmore, District 9
Jimmy D. South, District 1

10 Years

John Aills, District 1
George L. Anderson, District 6
Jerry A. Ballinger, District 6
Don L. Cox, District 9
Lawrence Edwards, District 1
John M. Gross, District 4
Quinton E. Haynes, District 9 - HF
Howard H. Henley, District 2
William D. Jackson, District 10
Ralph L. Mack, Traffic
Charles J. Pollard, Weights
Jerry W. Richmond, District 10
Olin R. Ridge, District 10
Harold D. Smith, District 2
Orvel H. Thomas, District 4
Naomi J. Troxel, District 10
Albert W. Turner, District 1
Hugh Vance, District 1
Floyd D. Ward, District 3

5 Years

Harold L. Brooks, District 3
Lloyd B. Brown, P&R
Allen G. Bullock, District 2
David C. Bunn, District 8
Danny R. Foster, District 7
James D. Gaither, Environmental
George Neal, District 3
David D. Neighbors, District 5
Thomas W. Nowlin, District 1
William A. Pearce, District 5
Donald L. Purifoy, District 7
Vernon L. Stormont, District 8
Darrell L. Tillman, District 10
Johnny E. Wake, District 3
Abram R. Wylie, Bridge Design

LETTERS

June 2, 1977

Mr. William Tyler
Highway Department
Hope, Arkansas

Dear Mr. Tyler:

I want to offer special commendation on one of your employees, Mr. Jimmie Batte. I had been visiting a sick relative at Confederate Hospital in Shreveport, La., for three days. Returning, I experienced car trouble about eight miles from Texarkana. I was totally exhausted, and it was late at night, when Mr. Batte came along and offered assistance. He drove eight miles to his home to get a chain, then pulled my car to Texarkana to a repair shop. It was about 2:00 a.m. when he left. Not many people would have bothered to help a stranded motorist. He was very courteous and I certainly appreciate his helpfulness. It is indeed a reflection of a quality employee to your department.

Sincerely,

Johnny Privett
East Central University
Ada, Oklahoma

June 22, 1977

Mr. Gary Godfrey
Engineering Division
State Highway Department
District 9
Harrison, Arkansas

Dear Mr. Godfrey:

While returning from vacation Saturday, June 18th, I experienced a problem with my car overheating near Jasper, Arkansas. Many cars passed our car, which had the hood raised, until Donald Spencer came along. He not only stopped and tried to assist me in locating the problem, but finally spent about two hours of his time assisting us. There were five of us in my car, and he brought us to a place of business

some three or four miles up the highway, where the women could be in air-conditioned comfort, then took me back to my car, picking up a five gallon can of water to fill the radiator of my car, and got me under way again. We made our destination (Little Rock) without additional problems.

Had Donald not been so kind and helpful, I'm sure I would have had no choice but to arrange for my car to be towed into Russellville.

I want to take this opportunity to make you aware of the fine service rendered by Donald, which was certainly far beyond the normal that you would expect to get in the way of help and assistance in such a time of need.

I deeply appreciate the fine assistance and service rendered by Donald.

Sincerely,

J.S. Rector, Zone Manager
The Kroger Company

July 20, 1977

Mr. Calvin Peevy
District Engineer
Arkansas Highway Department
Ft. Smith, Arkansas

Dear Sir:

Just wanted you to know what a fine young man you have on your staff. On my way to purchase new tires for my car I blew one out a mile west of Bloomer - my spare was flat and with the crime rate climbing, needless to say I was afraid to even get out of the car. As I looked around, an AHTD car was stopping. After he heard the predicament I was in he loaded my spare and took me into Ft. Smith to J.C. Pennys where they assisted me from there.

Mr. Robert Mainer would be a credit to any organization. It is a good feeling to know there are still people who really care about helping others in need.

Most Sincerely,

Norma Brown
Ratcliff, Arkansas

RETIREMENTS

JUNE

Doyle E. Hubbert, District 3
Jessie H. Harris, District 3
James C. Davis, District 7
Garlen A. Bowling, District 4
Noah S. Little, District 1
J.T. Millen, District 2

JULY

Will A. Gill, District 1
Tully E. Hair, District 3
Lester E. Holiman, District 6
Jack Renfroe, District 9
Joseph E. Surginer, District 1

AUGUST

Albert W. Turner, District 1
Clide R. Bailey, District 9
William R. Brannon, District 6
James O. Howley, District 5
Charles A. Scott, Right-of-Way

Around the Department

ACCOUNTING DIVISION

By Meribeth Adney

David Bartlett is the newest addition to the Accounting Division. A native of Russellville, he is a recent graduate of Arkansas Tech University with a degree in Accounting. David is twenty-two years old and single. We're very happy to have him with us.

Accounting was delighted to have Tammy Gibson back as an employee again this summer. She's a good worker and a pleasant addition to the office. Tammy, now attending South Arkansas University, is the daughter of Mary Gibson in the Utility Section of Right-of-Way.

Ginger Crow, daughter of payroll clerk Mary Crow, was graduated this spring from McClellan High School in Little Rock. She plans to enter South Arkansas University at Magnolia this fall. Ginger has been a very pretty addition to AHTD's summer crew while working in Records and Reproduction.

Some of our more fortunate employees have been able to take real vacations this year. Several in the division have been sporting beautiful tans acquired on trips to Florida and other places. The beaches still seem to be the favorite spots for vacationing.

Jack Keilch and his family finally managed to take last year's bicentennial trip this year. But this trip was not without incident. No doubt, the trip to Pennsylvania and Washington, D.C. was exciting, but not half as exciting as returning home to find the floors of their house covered in water. Never underestimate the power of an ice-maker!

Irene Hawkins has had some interesting things to tell since she and husband Jim returned from their vacation in Europe. They visited France, Switzerland, Germany, Holland, Belgium and England. Many of the sights were quite beautiful, according to Irene. It was a trip the Hawkins' won't be forgetting and one they highly recommend. Getting the scoop from one who has already been may be just the incentive some will need.

COMPUTER SERVICES

By The Staff

We are glad to have trainee Robert Lee join our staff. Robert will operate the new CalComp plotter and process contractor estimates and bid lettings.

Janet Getty, our summer employee, left on August 5 to further her education. We were sorry to see you go, Jan, but our best wishes are with you.

Congratulations to Fay Sullivan who was chosen KXLR Country Sweetheart of the Day.

Jerry Conway has become an active member of a Toastmasters Club which meets every Friday at noon at the Royal Castle Smorgasbord on Geyer Springs Road. He finds it to be a worthwhile venture - instructive as well as enter-



Faye Sullivan

taining. Keep it up Jerry, we're with you all the way.

Pictured below is Mitchell Bobo, Jr., (Mickey), son of Carolyn Bobo, Data Entry Operator, Mickey graduated from Lifeline Baptist Church Kindergarten in May. He will be entering first grade at Bryant Elementary School in Sept.



Our "rolling stone" Art Johnson, long-time member of the Little Rock Toastmasters Club which meets twice a month on Monday night, attended Toastmasters International Convention in Toronto, Canada on August 19-20. Art will also be in Austin, Texas for a Data Processing Managers Association (DPMA) International Directors' meeting September 21-22.

John Carter and Robert Lee both attended National Guard camp for two weeks in August.

Monty Riffin, son of Sue Riffin, Data Entry Operator and Kim Conway, daughter of Jerry Conway, Data Processing Analyst, both graduated from McClellan High School this past May. Congratulations to both of them.

ENVIRONMENTAL DIVISION

By The Staff

The Environmental Division was created by Executive Order 77-6. Bryan H. Davis was promoted to Division Head and Steve N. Wilson is his Assistant.

The Environmental Section was formed six years ago in the Right-of-Way Division under Gip Robertson to comply with the new Environmental requirements. Since 1971 environmental assessments have become extensive and complex. The Section began with Bryan and his secretary. Now the Division has eighteen employees including five with Masters degrees.

Marion Butler, Larry Long, Jim Gaither, Steve Wilson and Bob Tyler received their five year Service Awards this summer.

Marion came to Environmental from P&R as Staff Sociologist. While here he earned his M.S. in Sociology from Ouachita Baptist University. Marion is also a member of the Department's Interdisciplinary Staff.

Larry Long has been working with Billboard and Junkyard Control since joining the Environmental Staff.

Jim Gaither joined our Staff working in the Billboard program. Jim's undergraduate training in biology made it convenient for him to join the Environmental Assessment team in 1974. He has been working for the past year and a half developing our air quality monitoring program.

Steve Wilson joined the staff as Staff Ecologist and has worked since that time generally coordinating the Environmental Assessment activities. Steve is vice-chairman of the Department's Interdisciplinary Staff.

Bob Tyler came to Environmental from P&R in 1974. Bob is coordinating air and noise studies and is a member of the Department's Interdisciplinary Staff.

Ed Short has joined our Environmental Assessment team to work primarily with wetland impacts. Ed is from Oklahoma via the University of Arkansas where he received his M.S. in Aquatic Zoology and worked with the U.S. Fish and Wildlife Service and the U.S. Corps of Engineers. Ed is a very eligible bachelor.

Among the numerous duties of the Division are included the design and maintenance coordination for the State's Rest Area System. Instrumental in accomplishing these duties are Doug Thacker, Rest Area Maintenance Coordinator, and Landscape Architect, Ken Mulvany.

We are fortunate to have three summer employees who have added immeasurably to our staff. Curtis Thomas is with us for the third summer. Curtis is a Junior pre-med student at UALR, where he also has a swimming scholarship. Rosie Bell, a secondary Science Teacher from Menifee, is helping in the billboard control program. Rosie is a graduate of UAPB. Kim Thompson, daughter of Pat Thompson in Roadway Design, has spent most of the summer typing Environmental Impact Statements. Kim is approaching her sophomore year at the University of Arkansas in Fayetteville. Kim is majoring in Marketing and Socializing. We are proud of all three for their hard work and bright faces.

INTERNAL AUDIT SECTION

By Virginia Williams



Congratulations to William H. "Bill" McDorman, Assistant Chief, Internal Audit Section. Mr. McDorman has just passed his CPA examination and is now a Certified Public Accountant.

Mr. McDorman is a graduate of UALR with a degree in Accounting. He is a native of La-Porte, Texas and served eight years in the Air Force before he came to work for the Highway Department in 1973. He is married and the father of two children. His hobbies are reading and woodworking.

Congratulations Bill, for this great accomplishment!

MAINTENANCE DIVISION

By Debbie Simpson

Mr. Rownd's oldest daughter, Carolyn, graduated Magna Cum Laude from Henderson State University this year, and don't think he's not a proud peacock. Congratulations, Carolyn.

Don Brown's oldest son, Ray, completed pharmaceutical school this year and is employed at Petty's Drug in Benton. Congratulations Ray.

Madge Livingston just got back from vacationing in New Orleans. She says it's a real great place to visit with all the quaint little shops during the day and the wild night clubs at night!

Mr. Page, from our radio section, and his wife Maurine spent their vacation with their daughter and her family and went to Florida. They went sailing and had a real nice time.

Cal Porterfield in the radio section had a bad fall off a ladder and broke his foot. He's still on crutches, but things are looking much better.

Kim Hudson, our summer employee this year, has left to return to school. She's been a great help around the office, especially to Pat. We are all sorry to see her go, but we hope that she will come back next year.

As you can tell by the photos, our recent fish fry was a great success. Everyone had a



time filling their stomachs with fish and all the other goodies that go along with a spectacular fish dinner. We also played horse shoes, but no one had a chance against Pat Sullivan. He really knows his horseshoes. All the kids (me included) collected shells along the river bank. We found some real interesting things!

Speaking of fish, Pat says thanks for the use of Russell Owen's ice box, but he wishes it had been larger so he didn't have to bend their tails. I guess we can't call this story a fish tale, can we.



Pat Sullivan

MATERIALS AND TESTS

By The Staff

Materials and Tests is happy to announce that we have two new employees in our Section. Kathy King transferred from Right-of-Way to become secretary to Joe Magness and Becky Nichols is our new clerk typist who transferred from Personnel.



C.H. Tullos



Ralph Davis

Cake and coffee was served on July 20th for C.H. Tullos who received his 20 year service pin and Ralph Davis who received his 15 year service award. Congratulations are in order for both of them.

PERMITS

By Angela Blackwell

Congratulations to Buddy Dumas, who recently completed 10 years of service with the Department. A potluck was given in his honor and prepared food trays were served.

Preston Purkiss has completed 8 years of service. Congratulations, Purkiss.

Buddy and Catherine Dumas recently spent a few days visiting relatives in Cody, Wyoming. They enjoyed Yellowstone National Park while there and returned by way of Mt. Rushmore, South Dakota. Buddy says that "vacation days are shorter than work days, but as always, there's no place like home."

A potluck was given to bid farewell to Sammie Martinez, Section Secretary, who resigned to spend more time with her children. Sammie's sense of humor is missed by all of us.

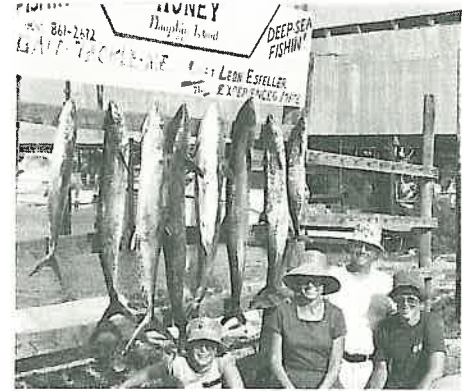
We welcome Donna Crain, who recently transferred from Construction. Donna enjoys her summer by playing softball. She plays in Malvern for Magnolia-Clayton. Their team finished 3rd in district and played in A-State at Jacksonville July 29-31. They also finished 2nd in their league this year. Donna's son,



Brooks Crain



Sandy Ann Hunter



Roger Taylor and family



Jacob Daniel and Amy Lea

Brooks, is 15 months old. He and Donna's husband Jimmy, recently visited with us.

Julia Hopkins' daughter, Tammy, recently took a canoe trip down the Buffalo River, along with a church youth group. They also visited Blanchard Springs Cavern and a good time was had by everyone.

Jeanie Kittler's daughter, Diane Garrett, gave birth to a beautiful 8 lb., 12 oz., boy on June 1. His name is Jacob Daniel and one of his most ardent admirers is his 2½ year old sister, Amy Lea. Jeanie and her husband Bob, along with some friends, took a trip to Opryland in Nashville, Tennessee. They attended the Grand Ole Opry and the Music Hall of Fame, as well as touring the homes of country stars and visiting Hermitage, the home of Andrew Jackson.

PHOTOGRAMMETRY

By Margaret Hudson and Sue Walls

The little lady in the picture is 6 month old Sandy Ann Hunter, daughter of David, our Lab Supervisor. David recently purchased a movie camera that talks, so it's obvious who he plans to star in all of his movies.

We are glad to welcome Randy Boyd to our section. Randy is training on one of our Kelsh

Stereoplotters. He and his wife, Alana, are expecting their first visit from the stork in September. We wish to congratulate them on this happy event.



Dawn Fenton

Larry Fenton's daughter, Dawn Renee, who is in the fourth grade at Chicot Elementary School, is playing softball for the Learning Foundation team this summer.

Roger Taylor, his wife, Dollene, and their two children, Bill and Leslie, went on vacation to Dauphin Island off the coast of Alabama. While they were there, they went deep-sea fishing and look what they caught! Most fishermen would like to come home with a catch like that.

Bob Paxton, our airplane pilot, is taking a "working vacation". He is going to Oshkosh, Wisconsin to the Experimental Aircraft Association Flyin. This is a demonstration of home-built airplanes. He says that he has always had a dream to build his own airplane. We wish him success in this endeavor.

PLANNING & RESEARCH

By Sandi Lindstrom

Program Planning welcomes a new employee to the Section. Tommy Littleton, an engineering graduate from the U of A at Fayetteville, and his wife, Margaret Gale, both come from Dardanelle. Tommy, who has his Private Pilot's license, says his favorite pasttime is flying.

We've had two employees on military leave this summer. Ed Johnson spent two weeks at Ft. Lee, Virginia and Mark Bradley spent two weeks at Ft. Sill, Oklahoma. Mark's wife and daughter joined him the last week, and they visited the Wichita Mountains Wildlife Refuge.

Roger Almond is now the proud coach of the Saline County Teeny League Champions, who also won the tournament championship and the sportsmanship trophy. How's that for batting a thousand?

Dan Morgan's Babe Ruth team won its park championship and played Jacksonville for the League Championship. Dan's son, Brooks attended the U of A basketball camp at Fayetteville this summer. The camp was taught by the U of A coaching staff, state coaches, and former players.

Billie and Rick Boyd, along with Debbie Simpson of Maintenance Division and husband, Gary, spent part of the 4th of July holiday at Mountain Home with Jimmie Farnam Snow, formerly of Maintenance Division, and husband, Tom. Brenda Woodyard, formerly of Advance Planning, and husband, Danny came over from Fayetteville. Jimmie and Tom have a lovely view of the White River from their dining room, where everyone feasted on homemade biscuits and home canned preserves.

Larry Allen of the Research Section, has recently joined the homeowners ranks. His new home is a mere 50 years young and is in the Old Midland Hills Addition between Markham and Kavanaugh. In order to do a little of the necessary repair work on their new home, Larry and his wife Pam, say they need about a year-long vacation.

Jerry Rogers is the star left fielder for the AHTD softball team. At least on July 4th he saw stars when he and Marion Butler collided while chasing a fly ball. Jerry bruised a knee and limped around for a few days. He said he was

knocked out for about 15 minutes, and it was the fourth inning of the game before he knew what was going on. The rest of the team members say he never knows what is going on anyway.

Ray Gruver, our new employee in Research, graduated with high honors from State Technical Institute in Memphis with a Degree in Computer Engineering. Ray has lived in Memphis all his life and is now trying to adjust to apartment living in Little Rock. Ray is interested in all types of activities, and says he will try anything once. (He is single). He is also a very good bowler. Ray built his own car and is presently thinking about buying a motorcycle. We are very pleased that Ray joined us in Research and welcome him to AHTD.



Ray Gruver

Steve Teague and his wife, Nell, have just returned from their dream vacation -- a two-week Caribbean Cruise. He's quite proud of his self-control; he only gained seven pounds during the entire trip. They had a wonderful time, and Nell enjoyed returning to the Island of Aruba, just off the coast of Venezuela, where she lived for sixteen years.

Patti Tatum transferred from Current Planning to work as Staff Secretary for the Construction Management Project.

For this summer Julie Oliver worked as Staff intern. Her duties included data analysis and graphics. Julie graduated from Northeast High School this past spring and will be attending the University of Arkansas at Fayetteville this fall.

Bill Copacino, Public Administration Staff member, has completed his work for the Construction Management Project, and will now be working in Chicago. Bill was a great help to the AHTD softball team and we wish to thank Bill for his excellent work effort.

Delania Ramos, our summer employee of the past two years in P&R has returned to Arkadelphia to resume her studies at Henderson State University and to become Mrs. Bill Wat-

son. We give her our congratulations and best wishes.



Eric and Stephanie Williams

Jennifer and Ralph Williams are the proud parents of a baby girl. Stephanie Ann was born July 17th and weighed 8 lbs. and 3 ozs.

Hilda and David Harris and their two boys went to the Liberty Land in Memphis for a vacation. After having such a good time, David spent the next week in the hospital.

Judy and Jon Robertson are very excited over the new addition to their family. Their 7 lb., 10 oz. baby girl, Amy Heather, was born on July 19th.

Transit Planning Secretary, Connie Shaddox, has moved back home to Murfreesboro and is working in the Resident Engineer's office at Nashville. Kerry Nichols has taken her place as secretary. Kerry and her husband, Larry, enjoyed a vacation to Frankfurt, Germany, where they visited his brother and sister-in-law. They made trips to several locations in Germany, as well as France and Switzerland. Larry worked in the Research Section until leaving the Department earlier this year to go into business for himself.

Congratulations to Betty Wiggins who recently received her 10 year service award. Betty is Transportation Planner in Transit Planning.



Betty Wiggins

James and Anna Sanders spent a July vacation on a road trip to Albuquerque, Grand Canyon, Salt Lake City, and other points in the west.

Several members of Advance Planning attended a seminar on "Alternatives for Urban Transportation," presented by the National Highway Institute. It was held in Hot Springs July 19-20, 1977. The seminar was largely organized by Carl McChesney who was instrumental in obtaining it for presentation in Arkansas.

Phillis Hannah who worked in Advance Planning this summer has returned to the University of Arkansas to attend school.

With it being the arrival of summer, everyone in the Mapping and Art Section was going on vacation. Charles Frazier and his family spent two weeks in Florida and Kentucky. Joe Lovell and his family also spent their vacation in Florida. Pete Benetz and family took a trip to Missouri and Marlin Powell and family took a month long vacation and visited relatives in California.

Robert Williams and Charles Hood spent two weeks this summer at military camp. Robert spent two weeks at the Naval Reserve in California and Charles gave two weeks to the Army Reserve in Fort Smith.



Pictured here is Carolyn Bowden's pride and joy, her son Ronnie. Ronnie is two years old and just loves to play with anything that resembles a ball.



Pete Benetz, left and Charles Fraizer

Congratulations to Pete Benetz who received his 25 year service pin on August 22. Refreshments were served and everyone enjoyed a great time.

Mapping and Art was very pleased to have Eris Bays working with us as a summer employee. This was Eris' second summer with the Department. She is now working part time in Current Planning and attending school at UALR.

PROCUREMENT

By Ann Johnson

I must apologize for being remiss. I have not written any news (or gossip, if you prefer) for some time.

We have a new employee in our office - Kathy Carlisle, nee Davis. I mention her maiden name because when she began to work she was not married. We had more fun teasing her, helping her with informative suggestions and finally, attending the wedding - EN MASSE! Kathy's husband, Bruce, is an insurance adjustor with Arkansas Farm Bureau in Benton, and fortunately, a very understanding gentleman.

Lewis Wade and I have just survived the big hurdle of the Spring Season - Graduation. Lewis' son, Kevin, graduated from Central High School in Little Rock and will attend the University of Arkansas at Fayetteville. He plans to major in business. Harvey and I have a foster son, Mark Buchanan, who graduated from Bryant High School. He will attend Louisiana Tech University at Ruston on an athletic scholarship. He plans to major in business and physical education.

Christine Robinson has returned following a long illness and is doing fine.

Nikki Lewis is on jury duty until October, so she is in and out.

Sue Boyett and Alleen Taylor took swimming lessons this summer. They do not plan to tackle (or swim) the English Channel - just be able to come up to the top of the water if they fall into it!

Patsy Downing is about to get that new home finished. They have been doing quite a bit of the work themselves. It sounds absolutely luscious (silly word to describe a house, but the ladies will know what I mean) and she plans to have an open house. I will say this, this office can open a house.

Henry Plunk and his family took a vacation that many of us dream about, but never are able to take. They flew to Hawaii and spent the week with their youngest son who is in the service there. Henry said that he would remember it for some time to come - and at least once each month.

Al Sacco has kept a "low profile" this summer - not many things doing at his house, except trips to the local ball parks when his son, Steve, plays. They are both ardent supporters of the Arkansas Travelers ball club, too.

Bernie Cox also enjoyed summer quietly. His outside activities other than his church and Toastmasters included an officer position in the American Legion organization. His youngest son, Ricky, will be married this summer. More about that later with pictures.

Shirley Butler had hoped to take some vacation this summer, but couldn't decide just where to go. She had considered Havana (Arkansas) and just staying at home (to catch up on housework, like all of us do sometime or another).

Frank Caple is presently on sick-leave under doctor's orders following a flareup of an old problem, and we miss him.

RECORDS & REPRODUCTION

By The Staff

This is a time for summer vacations and summer camps.

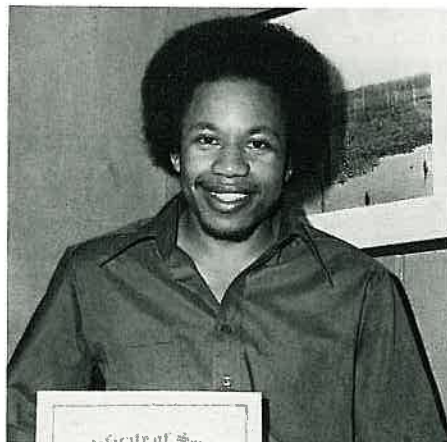
At the present time Larry Foreman and Jerry Heffington are at Ft. Chaffee and Tommy Daniel is at Ft. Benjamin Harrison in Indianapolis, Indiana.

Pete Escarre and family went by motor home on vacation to Florida. They spent nights in Hattiesburg, Mississippi, Pensacola, Destin and a 4-day stop in Panama City Beach, Florida where they went deep sea fishing and caught ten King Mackerel ranging in weight from 30 to 9 pounds. They had a great time swimming in the gulf, playing on the white sandy beaches and taking lots of pictures.



Pete Escarre and family

Alma Stephens has returned from two weeks vacation to Colonial Williamsburg, Virginia and Myrtle Beach, South Carolina. They did lots of interesting sight seeing along the way.



Melvin Moss

Melvin Moss and family recently flew to California on vacation. They visited his brother in Los Angeles. They also went to San Diego, San Jose, and San Francisco. They visited the San Diego Zoo, Marineland, Disneyland and other interesting places (at night).

Pat Latson's daughter, Tareesa, is presently at Boulder, Colorado, for two weeks Bible study with Campus Crusade for Christ.

Congratulations to Melvin Moss on receiving his 5 year pin and service certificate. We honored him with a delicious potluck.

We have certainly enjoyed our two summer employees and will miss them when they leave for school. Pam Welcher has been helping in Map Sales. She will be a sophomore Nursing Major at the University of Central Arkansas. Ginger Crow has been helping in our Microfilm section. She is a graduate of McClellan High School and will be a freshman at Southern Arkansas University this fall where she will major in Political Science.

RIGHT-OF-WAY

By Shirley Childress

We would like to welcome Darrell Hatchett to the Relocation Section of Right-of-Way. Darrell is a graduate of the University of Central Arkansas, is single and lives in North Little Rock where he moved to from Morrilton.

We would also like to extend a warm welcome to Brenda Long who recently transferred from Personnel to the Acquisition Section of Right-of-Way. Brenda replaces Kathy King who transferred to Materials and Tests.

We have two men in our Department who recently became grandpas; Arthur Watt for the first time and Glendol Jackson, for the second time. Arthur's son, Tommy and wife Debbie, presented him with a grandson August 3rd at the Doctor's Hospital. His name is Andrew Tavinish Watt and he weighed 9 lbs. and 1 oz. Glendol's daughter, Karen and husband, Carl Breitweiser presented Glendol with his first granddaughter August 8th at Doctor's Hospital. Her name is Holly Denise and she weighed 8 lbs. and 4 ozs. Glendol has an adorable grandson, Clay, who is this little girl's older brother.

Don Martin has Glendol and Arthur both beat because on May 14th his daughter and son-in-law, Margaret and Scott Starr presented him with his fourth grandchild and first grandson. His name is Clare Starr and he was born in Fayetteville. Don's son has two girls and another daughter has one girl.

Billie Boyd and family vacationed in Destin, Florida for one week in July. After traveling, eating and sleeping in their motor home all week Billie decided their next vacation would be by car; they would eat in restaurants and at parks and sleep in motels. As of this writing they are on a two week trip through the Eastern United States - by car - with plans to visit Niagra Falls and Canada.

James Giles enjoyed a week of vacation to Tennessee. He visited Gatlinburg, Pigeon Forge and Chattanooga and saw many interesting sights.

Vic Winchel and his family spent a few days visiting their families in Texarkana and then

took daughter Susie to Six Flags. His youngest daughter, Jennie just celebrated her first birthday and Vic is definitely proud of his two girls.

The Jacksons and Ledbetters took their vacation together and toured the Western part of the United States. Glendol and his wife Geraldine and son Jerry and A.C. had his wife Mary Francis and son Michael. Both families visited such interesting and beautiful places as Mount Rushmore, Jackson Hole, Wyoming and Yellowstone National Park. The only difference in their vacation was that the Ledbetters traveled in a brand new Comet motor home while the Jacksons rolled along in their pickup truck with camper on the back. Jerry loved sleeping in the camper but Geraldine found several real nice motels along the way; which I don't think Glendol objected to at all.

J.C. Merritt and wife Avanelle almost took the same route on their vacation as A.C. and Glendol but they traveled on to Arizona also. Some of the highlights he mentioned was the Grand Canyon, Royal Gorge and Mount Rushmore. I wonder how Avanelle got him away from his carpenter tools for two weeks?

UTILITIES SECTION

By Mary Gibson

Summer has come and gone, along with most of our vacations. We are looking forward to the cool, crisp days of fall. Isn't it nice that we have the four different seasons of the year?

Jim Bartlett took a late spring vacation. He had relatives visiting and spent a week in June at Nashville, Tennessee. Buddy Cazer had a nice three day trip to New Orleans visiting his daughter, Vickie; then took a trip through the Smokies, North Carolina and Virginia. Buddy had a most enjoyable vacation. My vacation was spent at Lake Greeson, fishing and swimming, among other things. Joey kept his "Mamma" busy baiting his hook and taking off the nice fish he caught. Mom cooked those fish along with pan-fried potatoes and hush puppies. All in all, it was a delightful vacation.

Butch Garner spent his vacation moving into his new home.

Debbie Spillers has not taken a vacation. Maybe she will later, as she is sporting a beautiful new diamond ring.

Arthur and Betty Watt will fly to Mexico City. While in Mexico City, they will stay at Hotel Festa Palace. Among the many points of interest they will visit the Pyramid of Sun at Teotihuacan. They are sure to have a nice and relaxing vacation.

Congratulations to Ralph and Jennifer Williams on the birth of their daughter, Stephanie Ann. Stephanie made her appearance into this world on July 17th. She weighed 8 lbs. and 3 ozs. and was 19 $\frac{3}{4}$ inches long. She was a delight to her brother Michael. Michael had the Chicken Pox and when they brought Stephanie home, Michael had to leave. He was so upset he wouldn't even talk to his Dad. You can imagine what went through his young mind (they have that new baby and now they are getting rid of me). Well, it all worked out and

Michael is very proud, along with Ralph and Jennifer, of Stephanie.

Don Galloway, Right-of-Way's Property Manager, had a dream vacation this summer; he went on a seven day Caribbean Cruise. Don flew to Miami where he started his trip from the Port of Miami on the "Song of Norway". They made stops at such interesting places as Puerto Plata, Dominican Republic where he and his friends rode a cable car to a mountain top where there was a seven square mile tropical garden. Then, after two days aboard ship, they stopped at San Juan, Puerto Rico where they toured an old fort named El Morro that was built in 1591 and then stopped in the older section of San Juan. They also went to a plush casino at the Caribe Hilton. Their last stop was St. Thomas in the Virgin Islands, where they tried scuba diving and shopped.

This all sounds great, which I am sure it was, but you ain't heard nothing yet. On board the ship you had your choice of swimming, shuffleboard, basketball, eating, movies, amateur talent shows, eating, four live bands on different parts of the ship, eating, a driving range where you hit golf balls into the ocean and Don's favorite thing to do - eat. Guess what Don brought back as a souvenir from the ship, the ship's menu.

The Appraisal Section of Right-of-Way has two new employees we would like to give a big welcome to. They are Robert Neil Palmer and Randy Lewis. Neil is a graduate of Arkansas State at Jonesboro with a degree in Business Management. His hometown is Pollard but he is now living in Little Rock. He is single.

Randy also graduated from Arkansas State at Jonesboro with a degree in General Business. His hometown is Dell, he has been married for only a few months and he and his wife, Zoe, are now residing in Little Rock.

The Appraisal Section was very fortunate in having Vaneesa Latson as their summer employee this year. Vaneesa is the daughter of Pat Latson the secretary in Records and Reproduction. Vaneesa will be attending UALR this fall and even though we will miss seeing her warm smile around here we want to wish her well.

Linda Coogan says the only thing she has been doing this summer is work hard and play softball. The only real exciting thing she did was to kill a rattlesnake in her mother's garden.

We sure were happy to see Charlie Scott back in the office, even if it was only for a few hours. Charlie has been recuperating from a heart attack and since he is one of our favorite people, we sure are glad he is doing so well now.

TRAFFIC

By Bobbie White

We have a very happy grandmother in our section. Ronnie Gene Holdcraft, Jr., born July 8, weighing 5 lbs., 3 ozs., is the son of Debbie and Ronnie Holdcraft and is the first grandchild of Bob and Joann Niehaus. Joann says she is very proud to be a grandmother for the first time.

Julie Grooms, a graduate from McClellan High School, will be working full time in the Safety Section of Traffic Division.

DISTRICT TWO

By Bettye Carter

Everyone in District Two has spent the summer trying to keep cool. There doesn't seem to be any way unless you can afford a shocking light bill.

Several employees have received their service awards recently. Those in Maintenance were Calvin Rawls, District Equipment Supervisor, earning a 25 year award. Calvin began as a mechanic in the District Shop. He and his family reside in Rison.

Edward Nisblatt received a 15 year award. "Sarge" is the Storeroom Supervisor and is retired from the military.

Coffee and doughnuts were served for Calvin and Sarge in honor of the occasions.



Calvin Rawls



Edward Nisblatt

R.C. Chison, a motor patrol operator with the Sealing crew in Drew County, has received a 30 year service award.

Receiving an award for 25 years of service was Charlie V. Earnest, motor patrol operator with the Lincoln County Crew. Mr. Earnest resides in Star City.

10 year awards were presented to A.C. Kilcread and Allen W. Clayton. Mr. Kilcread is the crew leader in Ashley County and Mr. Clayton is an asphalt raker in Desha County.

Alton Thomas, Jr. has earned his 5 year service award and is employed as a mower operator in Desha County.

We've had two summer employees working in the business office at the District Headquarters. Ruth A. Hart and Octavie George were employed as clerk typists. Both will be attending the University of Arkansas at Pine Bluff this fall, where Ruth will be a Business Administration student and Octavie is majoring in physical education.

Frank and Else Brown are expecting a visit from Else's family this month. Else's mother and brother, Elise Schnabel and Werner Schnabel are arriving from Sichenhiem, a town just out of Heidelberg, Germany. While in America they plan to tour Arkansas.

Back to work after a recent illness are two of our favorite employees, Joe Hays and George Karnes.

Joe, job superintendent out of the District Office, has recovered from back surgery. George is in the Monticello Residency and has returned after a long illness. We're glad to have each of these workers back and doing better.

Billy Johns, Area Foreman in Jefferson County, and his family and Perry Word, Equipment Operator II on the Sealing Crew of Drew County, spent their vacations camping in the Ozarks in North Arkansas. They also enjoyed a side trip to Silver Dollar City in Missouri.

James Pierce and family spent their vacation in Florida camping and touring DisneyWorld.



Connie, Christy and Betty Carter

Shown in the picture are two of your reporters daughters, Connie and Christy, as they left for a visit to California. They saw the San Diego Zoo, Hollywood Wax Museum and the movie studios and loved the beaches and surfing.

Retiring after ten years of service was Joe Millen, Equipment Operator II in Drew County.

Newt Suitt from the Bagwell Residency in McGehee, received his 35 year service award. Congratulations to Newt.

James Sinks, Auto Diesel Mechanic in the District Shop, spent his vacation touring northern Arkansas.

District Two would like to welcome Debbie Sivils, who replaces Paulette Brown who transferred to the Construction office in Little Rock, at T.G. Orton's new secretary in the Monticello Residency.



Debbie Sivils

Debbie is a graduate of Monticello High School and attended the U of A at Monticello for one year. She is married to Billy R. Sivils, who is Manager of Information Services with Burlington, Ind. at Monticello. Debbie loves to work with macrame and ceramics, likes horseback riding, snow and water skiing, camping and canoeing and raises cats.

DISTRICT THREE

By Sharon Burns

Congratulations to Buddy Calhoon, Thomas Goodson and Donald Embry on reaching 20 years of service with the Department; George Rosebaum for 15 years; Thomas Yocom for 10; and R.C. Taylor, Rodney Price, Larry Johnson and Dale Anderson for 5.



Service Awards



Pictured is Tommy Goodson, Engineering Aide IV in our Nashville Residency, receiving

his 20 year certificate and pin from Resident Engineer Ken Harris. Congratulations again, Tommy.



Pamela Mitchell

Pamela Mitchell has been honored by being selected as head majorette at our Hope Yerger Middle School. She also belongs to the band and Beta Club and has been active all summer long with her own business - making macrame from custom orders. She's really a cute girl and I know Mr. Mitchell, our District Engineer, is really proud of her.



Suzanne Marie Carlton

Congratulations to Jerry and Roberta Carlton on the birth of their first child, Suzanne Marie. She was born July 2nd, weighing 8 lbs., and 5 ozs. and was 19 1/2 inches long. The proud grandparents are C.R. "Shorty" and Freida Carlton of Emmet and John and Jean Chapman of North Little Rock. Shorty is our district-wide low boy operator.

HOPE RESIDENCY

By Kathy Barksdale

Our Resident Engineer, Rodney Price, has come forth with some really good news this year. On January 8, 1977, he and his wife, Sue, became the proud parents of a baby girl named Casey Lynn, who weighed 6 lbs., 13 ozs. You

will note from the photograph that she certainly resembles her father. Their oldest daughter, Rhonda Ann, who is 4 years old, no doubt helps her mother in taking care of her little sister.



Casey



Rhonda

Rodney has recently received notification that he has passed the Professional Engineer's Examination, which he took last spring. Congratulations, Rodney, for all of your accomplishments!

A retirement party was held at our office on June 24th, for Thomas Yocom (known as "Highway Man" to all CB'ers) who retired after 10 years of service with the Department. After dessert was served, Thomas was presented with a hunting knife, on which his initials were engraved. A good time was had by all, and our office is certainly not the same without Thomas.

TEXARKANA RESIDENCY

By Debbie Eaton

Jim Karnowski's son, John, was inducted into the Boy Scout's Order of the Arrow at Camp Pioneer near Mena during the week of June 13. John is a Star Scout and a member of Troup 3, Texarkana. Jim is the Assistant Resident Engineer in our office.



Doug Ward

Our fish stories for this issue are Doug Ward's catfish catch and my latest bass. Doug and his buddy caught these fish on the Red River and the largest weighed 50 pounds. I caught my bass on Millwood on Memorial Day and it weighed 8 pounds. Needless to say we have all been eating well this summer.

On July 11, we had some excitement around the office. A large log truck tried to dodge a



Debbie Eaton

pickup that had pulled out in front of it and the log truck flipped upside down and skidded about 70 feet down Highway 237 and came to rest in front of our office. The highway was blocked for about three hours while workers tried to clear the wreckage and remove the logs. Fortunately neither of the drivers were badly hurt. It will take us quite a while to get over all the commotion though.



DISTRICT FOUR

By Kim McDowell and David Becker

The weather in District Four has been hot and dry since our last writing. Quite a contrast to the snow and cold of the past winter.

District Four has had some well deserved promotions within the district - James Seay, Shop Supervisor was promoted to Equipment Supervisor upon the retirement of Emerson Hammell. Joe Newel was promoted to shop supervisor. Congratulations to both of them.

Congratulations to Jack Coleman and Leon Brewer, Resident Engineers in District Four, for receiving Safety certificates for no preventable or lost time accidents in 1976 for their crews.

L.D. Holland, with Jack Coleman's Residency, received his 15 year service award in April.

Congratulations also to Larry Elder in the District Bridge Crew who received his 5 year service certificate.

Ed Slaughterbeck, in Jack Coleman's Residency, is shown receiving what is supposed to be his 20 year service certificate from Carl Sanders, Assistant District Engineer, but it appears by looking at the certificate that Ed also qualified for the Annual Burro Award.



J. Coleman



L. Brewer



L.D. Holland



R. Williams



T.G. Berna



S.W. Bramlett



Ed Slaughterbeck and Jack Coleman

Assistant District Engineer Carl Sanders presented Roy Williams with a 20 year certificate and Tommy Berna with a 15 year service award. Sterlin Bramlett also received a 15 year service certificate from Ralph Fulton, Resident Engineer in Fort Smith. Tommy, Roy and Sterlin are all Engineering Aide IV's in Ralph's Residency.

Summer employees in Maintenance Division this year are Gail Brown, B.L. Shepherd, D.E. Walker, Mike Yates, Threasa Taylor, Bill Yates, W.G. Fornea, M.E. Puckett, N.P. Smith, S.W. Trusty, L.J. Ebone, S.D. Irons, K.G. Farris, David Seal and R.E. Jett.

Summer employees in Construction are: Engineer No. 42, Michael Core, David Plugge, Mark Abbott, David Brixley, Grant Ehren and John Eckart. Engineer No. 43, Jerry Morrow and Mark Gross, Engineer No. 44, Dinah Prince and Martin Cruse.

We have enjoyed having them with us this summer.

DISTRICT SIX

By Olga Estell

Ben Rives, son of Pulaski County Area Foreman, Jim Rives, who plays baseball for Don Sharp's Boat Yard, has every right to be wearing that big smile! They just won the BBAA State Championship. I sometimes think that the parents get much more out of these things than the kids. Jim came in telling about winning the game that won the championship and man, I couldn't help but wonder, at the pride in every word and that grin, it stretched from ear to ear. I'm almost sure there were nine other players on that team but I wouldn't have dared mentioned them. We do congratulate Ben, he is a fine looking boy, but I was wondering about something Jim said. Ben is there anything to pitching three shutouts? I can believe two, but three? Jim insisted on three, Ben I'm sure there was three. One thing that raced through my mind when Jim was telling about the game was the many times that "Ben was his mother's son, but on this fine day, he happens to be Jim's."



Ben Rives

Congratulations are really being passed out at District Six this time of the year. Larry Polk, is another "daddy" that has been wearing that silly grin, until you just want to say something ugly to him, but you just can't seem to come up with anything appropriate. They have a new baby at their house. They finally got around to that little brother! He was born at Doctor's Hospital on August 1, weighing 8 lbs. and 14 ozs. and his name is Steven Glen Polk. Now isn't that something to be grinning about! Of course, here again, his wife gets very little credit. "Larry has been taking all the credit again!" I think I'll just congratulate the other members of the family, Mrs. Polk, and little sister, and the dog and the cat. Now Larry, you can quit grinning.

I don't know too much about horse showing or rodeos, or barrel-riding or any of that, to me that is horsing around if I ever heard it. I

understand Jack Canant has a trophy at his house for some sort of accomplishment in this category. He hasn't said too much about how or what for, Laura and Shirley came up with some goodies, but he disagreed on all that was brought up, so we will settle for Western Pleasure and Pole Bending, on his registered horse, Whiskey. Jack didn't mention falling off one time, maybe there is a trophy for just staying on the horse, with a name like that you deserve something.

Pam Gartman, who works in the stockroom, husband, Chris and son Timmy, will be leaving on vacation soon. Pam really deserves a vacation, as she is a sometimes hard worker, which means that she can really work sometimes, and another meaning is that you can catch her working sometimes. All kidding aside, we love Pam, and the Stockroom is fortunate to have her. Silver Dollar City, beware, I think she may be headed that way!

Shirley Jackson, our Fuel Clerk, and her husband, Bill, have two sons, Mike and Ross. Mike is son No. 1, who belongs to the Explorer Post, affiliated with the Museum of Science. Mike left August 6th, accompanied by 12 other boys and a chaperone, traveling on the museum bus headed toward Utah, by way of New Mexico. They will make several stops enroute, and since this is a safari type trip, in as much as they will be doing all of their sleeping and cooking out in the open. No air conditioning and plenty of mosquitoes. Their main objective is to catch new animals for the museum and bring back as many new species as they can, one of their main and most popular items on their list is snakes. This should be a trip not soon forgotten.

Now to son number 2. Ross is not having as much fun as Mike, in fact Ross is not having any fun at all. In fact he is having such a lousy time, that I would be willing to bet that going back to school sounds like a real good idea. Ross just happened to have a real bad streak of luck one day, you know we all have one some time or another. Being there all day without big brother and feeling independent and all grown up, he sort of took things in hand and probably felt that no one would be the wiser. Needless to say it didn't quite turn out that way. When Shirley was summoned to the hospital, he really was in no shape to deny getting out of his yard, and could hardly deny riding a motorcycle, double! It is hard to say who got the worst end of the deal, Shirley or Ross. Ross is the one wearing bruises and stitches everywhere and Shirley is the nervous wreck and looks like she had been run over by an 18 wheeler. Well, I feel sure that Ross won't forget this summer very soon either, and this summer may seem like a "Forever" for an active young man like Ross. Poor Ross! Maybe school will start soon. I can almost hear the two boys exchanging tales of the summer of 77.

National Guard Summer Camp at Fort Chaffee must have been a hopping place this past year. Roger Felton, his wife Phyllis, Jim West, wife Judy, and daughter Chandra spent two weeks at National Guard from July 23 to

August 6. I understand they underwent some very hard training sessions, marching and sweating and marching and sweating, but of course Cal Porterfield wouldn't know anything about this. He was unable to attend this year as he happened to break a foot and had to stay at home, under the air conditioning, with his feet propped up, watching TV, with Mary and Burt waiting on him. Poor Cal.

Some of us at District Six are most fortunate. I am so green with envy, that I won't even mention Georgia and Sonny and their new Winnebago.

I'm also not going to say anything about Laura not knowing who Alexander was, when somebody called and asked if Alexander was in District Six!

Congratulations to Denver Harden's son, Terry, who graduated this spring from Cabot High School.



Cynthia Hannah

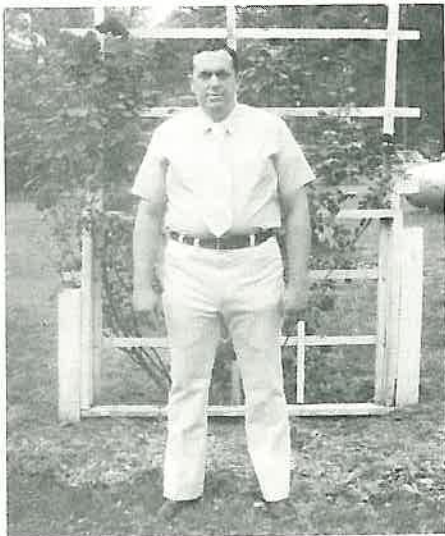
We are very happy to have Cynthia Hannah at District Six. She is our new summer clerk typist and although she is not very talkative, we understand she does and can talk English, one thing for sure, she can type. She is going back to the University of Arkansas this fall, but will continue to work for us part time.

DISTRICT SEVEN

By Althea Campbell

Congratulations to our Office Manager - John Harvey - he received his Masters in Business Administration from Henderson State University on August 12th. John has been attending night classes, etc. for some time (along with doing a great job in our office) to reach his goal.

Mamie and Ralph Toward (Storeroom supervisor) held a reunion in their home where Mamie's brothers, sisters and their families enjoyed her special dinner of ham with redeye gravy and all the fixin's. Their niece, Martha Jane Smith, Miss Camden, was among those present. The Towards, with son Ed and family, spent an enjoyable vacation visiting friends and



John Harvey

family of Ralph's in Pennsylvania. Ralph had a chance to see the "old home place" and many familiar places from earlier days.



Martha Jane Smith

Fishing, golf, water sports, visiting to and from friends and relatives, gardening and other hobbies are keeping employees occupied this summer.

"See Arkansas First" seems to be the motto of several employees - among those taking short trips within the state are: Earlena and Coy Campbell, Helen and Claude Parton, Nicole and L.D. Hopper, Vernell and Ben Loe, Marilyn and Colin Bridges.

Vicky Loe, Payroll Clerk, is planning an exciting trip to Phoenix, Arizona. Perhaps she will have something to tell us when she returns. Dora and Lee Parker, with their daughter and friend, vacationed in Alabama and Florida.

We in the office were very pleased that L.D. Hopper, our Equipment Supervisor, brought his good looking grandson, R.D. Hopper, by for a visit. R.D.'s home is in Mountain View - come out anytime you are visiting Granpa, R.D.



Anita Jo Vick

Wedding bells rang on May 21 at the First Presbyterian Church in Banks for Richard Allen Hearnberger and Patricia Martine Risher. Richard is the son of Mr. and Mrs. James Hearnberger of Banks and Patricia is the daughter of Mr. and Mrs. Johnnie Pat Risher also of Banks. Richard is an equipment operator in the Bradley County maintenance crew. The couple will be making their home in Banks. Good wishes Richard and Patricia.



Mr. & Mrs. Richard Hearnberger



Safety Awards

Congratulations to Mickey Reese, Bob Myers and A.W. Hardy in their recent achievement for Safety Awards.



Several employees of District Seven completed a First Aid Course presented by the Department of Labor and Mining. Congratulations to these men.

We wish to extend our deepest sympathy to the family of Otis Brown, Jr., who was killed in an automobile accident. Otis was employed in Jodie Waddle's Lafayette County Crew.

EL DORADO RESIDENCY

By Larry Beard

The Southern most residency of the state is proud to welcome Gordon Hite to the helm. He brings his wife, Sue, and their two children, Brent and Robin from Batesville, where he was Assistant Resident. Gordon is replacing Mickey Reese, who has ventured to Little Rock to become Assistant Construction Engineer and will concern himself with Districts 2, 3 & 7. Again we welcome Gordon and his family to El Dorado and we wish Mickey continued success and advise him to "Get it."

Mike, our Assistant Resident Engineer, and Margaret Thompson are the proud parents of a brand new baby girl. Jennifer Elaine was born Friday, July 29th, and weighed a hefty 8 lbs. and 13 ozs. Congratulations to Mike and Margaret.



Bryant Hatridge and Mickey Reese



D. Smith

E. Shrewsbury

We also would like to congratulate Bryant "Red" Hatridge upon receiving his 30 year pin. Dallas Smith received his 20 year certificate along with Earl Shrewsbury, who received his 5 year service award.

Robert Warren, we welcome you aboard too, Robert has been employed as an Engineer Aide I and is now working with the Survey Crew - stay cool Robert.

At the time of this writing, Conrad Sanders, Engineering Aide III, is back in the hospital. He is recovering from extensive surgery and we hope this present check-up will prove all things O.K. Hope you return soon Conrad.

If you are coming to El Dorado, try the new Smackover By-Pass, which was dedicated in June. It's a dandy and we are very proud of the men and women that made it so. The Final is a dandy too.

That's about it from the hot spot of the State. Drop in and say Hi - Terry will even buy you a Coke!

CAMDEN RESIDENCY

By Theda Huffman

Beautiful skies and just right temperatures have tempted the personnel of Construction 73 out the door for vacations and quiet times with families.

Calvin Shaw, Highway Engineer Aide II, was surprised in July by a welcomed visit with his daughter and her family who flew down to Magnolia from Missouri.

J.A. Cheatham, Engineering Aide V, is planning to dig a pond on his family's farm in Village. Hope he stocks it with catfish and then remembers to invite us down for county fishing.

Engineering Aide II Johnny Sprayberry is seeing the southern part of the USA from a car window. The first week in August finds him driving to South Carolina to visit relatives and then back through Nashville to catch a performance of the Grand Ole Opry.

Tony Harrington, Engineering Aide I, has been busy this past summer playing baseball. First he played in the City League for IPCO; however, Tony sprained his ankle and the team did not place in local standings. What can you do without your star player? He is now playing with Cullendale Assembly in the Church League and they are ranked second locally. Guess he has a guardian angel now!

Well, that wraps it up for now - next time you are in the southern part of Arkansas, stop in and see us. But don't worry if you cannot find us - just head for El Dorado and see Larry - he is easy to find.

DISTRICT EIGHT

By The Staff

Those receiving service awards in District Eight were Charles E. Kennedy, 10 years; Calvin J. Marlow, 10 years; Bobby G. Boyd, 10 years and Doyle Travis, 10 years.

Rhonda Blair, daughter of Mr. and Mrs. Wayne "Chick" Blair, Perry County Crew, was selected as the 1977-78 Girl's State delegate



McConnell and Kennedy

from Perryville High School. Delegates are chosen by the faculty on character and leadership. Rhonda is a junior, a forward on the Lady Mustang basketball team, football cheerleader and a member of the National Honor Society and FHA.



Rhonda Blair

Susan Rebecca Roberson was born on June 30, 1977. She weighed 7 lbs., 5 ozs. and was 20 inches long. Susan is the daughter of John O. and Betty Roberson. John works in the Johnson County Crew.



Susan Rebecca Roberson

A surprise party was given June 21, honoring Calvin Marlow and C.E. "Buster" Kennedy for 10 years of service to the Department. Calvin was sick that day and unable to attend. We were able to get this picture of Buster

holding their cake with Assistant District Engineer Ruben McConnell, who presented his 10 year pin and certificate to him.

Resident Engineer C.W. "Bud" McMillian and his wife Kay are proud to announce the arrival of their second son. Charles Bradley arrived May 12, 1977 weighing 9 lbs., 3 ozs. and was 21" long. Brad has an older brother, Brian, who is three.

Leslie Ann Myers was born June 20, 1977. Her father is David Myers, who works in the Perry County Crew. Leslie weighed 9 lbs., 10 ozs. and was 20½ inches long. We know David and his wife are proud of their big girl.

DISTRICT NINE

By Shirley Morton

Service awards were presented to the following employees recently: Harley Thomason, 25 years; Glen Head, 20 years; D.D. Lively, 15 years; Roy Brasel, 15 years; Jack Pharis, 10 years; Jim McIntosh, 10 years; Nelson McCutcheon, 10 years; and Herb Robinson, 10 years. Also a five year award was presented to



H. Thomason



G. Head



D.D. Lively



J. McIntosh



N. McCutcheon



H. Robinson



R. Brasel



J. Pharis

Gerald Wilkerson, mechanic in the District Shop. Congratulations to all!

Welcome to our new Stockroom Clerk, Rick Widner. Rick graduated from S of O, Point Lookout, Missouri, with a degree in Agriculture, is married and has two children. He replaces Richard Williams who transferred to the Harrison Residency.

Jake Arnold has resigned from the Boone County Crew to manage his newly acquired grocery store and gas station at Omaha. We wish him luck in his new venture and he hopes all of his AHTD friends will stop by for supplies and gas when passing through Omaha.

Our wishes for Good Luck, Good Health and Happiness are extended to Jack Renfroe and Bill Bailey who recently retired.

Congratulations to Mr. and Mrs. Robert Passmore who are the proud parents of a 7 lb., 15 oz. baby girl, Robin Elizabeth, who was born July 9th at Harrison. The proud and happy father is an Instrumentman at the Harrison Residency.

Mary Margaret Connolly and Edward Dale Estes were united in marriage in a beautiful candlelight ceremony on the evening of August 6 at the Union Baptist Church with a reception immediately following. Mary attends NACC and is our part time office and stockroom employee. Eddie is employed by John Hefley Construction Company. Mary was given a surprise wedding shower by her District Nine friends and she received many beautiful gifts. We wish Mary and Eddie much happiness.

James Lionell Owens, son of Mr. and Mrs. J.L. Owens was married to Miss Lila Bennett, daughter of Mr. and Mrs. A.W. Garrett of Crossett on Saturday, August 20th in the Methodist Church at Crossett. Lila graduated this past May with a BSE Degree in Art from the University of Central Arkansas at Conway. Lionell graduated from UCA in 1976 and will continue his education at the U of A where he is enrolled in Law School. Lionell is presently employed as an inspector at the Bentonville Residency.



Glenn Faulkner and son

Glenn and Judy Faulkner, Angela and Stephen, proudly announce the arrival of son and brother, Anthony Dwight, on June 7, 1977. He weighed 7 lbs., 1 oz. at birth, is growing fast, and is a joy to the Faulkner family. The happy father is Area Foreman for Madison County.



Lisa and Bryan Jones

Lisa Jones proudly poses with her baby brother, Bryan. They are the children of Stockroom Supervisor Ronald Jones and wife, Kathleen. This picture was taken a few months ago as Bryan will be one year old on September 15. Lisa celebrated her fifth birthday in June and will soon be starting kindergarten. How about an updated picture, Ronald?

Congratulations to newlyweds, Mr. and Mrs. Gene Taylor. We wish them a long and happy life together. Gene is a Crew Leader for the Bridge Crew.

Our good wishes are extended to Fred Graves who retired in June. Fred worked in the materials lab for several years and we will miss him. We hope his health continues to improve and that he will find time to come by to visit with us often.

Our summer employees are resigning to return to their various colleges. It was a pleasure to have them in the District and we hope they will come back to see us when they can. Terri, Joe Frank and Becky, it was fun!

PEEL FERRY

By Carroll Gene Johnson

We are sorry to report the recent death of Rectar Harris, age 81, of Noel, Mo. Rectar was the father of E.L. Harris, a pilot at Peel Ferry.

Joe Bill Wallace and family just returned from a trip to Kentucky, where they visited their son, Ron and family. Joe is proud to be back especially after the ferry ride across the Mississippi River!

DISTRICT TEN

By Isabelle Psalmonds

There are those who have taken a vacation and there are those who are still looking forward to one.

Bob Faulkner, Assistant District Engineer, and his family just returned from a trip to Co-

lorado and other points in the Northwest and he reports a wonderful trip.

Norman Pumphrey and his wife and No. 3 son, David, will be going to Florida to visit No. 1 son, Butch and his wife.

Among those who received service awards recently were Glen Bolden, Equipment Operator at Paragould, 20 years; Bob Glover, Assistant Resident Engineer at Osceola, 25 years; Ray Haley, Equipment Operator at Pocahontas, 20 years, and John Baldrige, the man who keeps the grounds of the District Headquarters looking so good, 10 years. Congratulations to these and others who received service awards.



G. Bolden



B. Glover



R. Haley



J. Boldridge

Lavoy Sorg, mechanic in the District Shop, wasn't on vacation - just an ordinary fishing trip when he caught a 28 pound catfish in Spring River. Some fish! Someone said Lavoy said he used a 5 lb. grasshopper for bait. We can believe the fish because of the picture - but a 5 lb. grasshopper is hard to swallow!



Lavoy Sorg

Karolyn Gregory, fuel clerk for almost 10 years, resigned recently and Janice Forbis has been employed as her replacement. Janice is married to Walter Forbis, a Paragould City Policeman. They have a three year old daughter, Jennifer Lynn. Welcome Janice. We are enjoying working with you.

Kathy Smith has been helping in the office this summer. It has been good to have her. Kathy will be a sophomore at Freed-Hardeman College at Henderson, Tennessee this year.

We have had several summer employees in the Resident's offices and we wish the very best for them as they go to college this fall.

EEO

Congratulations to Frank Newsham, EEO Coordinator, who was presented with his ten year service award from Henry Gray, Director, in July. Refreshments were served honoring Mr. Newsham for his achievement.



Frank Newsham and Henry Gray, Director

OBITUARY

John Ford Price

John Ford Price, aged 72, of Russellville, a retired district engineer for the State Highway and Transportation Department, died August 19, 1977 at Muskogee, Oklahoma, where he was in the process of moving.

Mr. Price had retired from the Department in 1970 after serving as district engineer at West Memphis, Paragould, Walnut Ridge and Russellville. He had begun his engineering career with the Justin Matthews Co. of North Little Rock.

AHTD SOFTBALL

The Arkansas Asphalt Pavement Association (AAPA) softball team has concluded another successful season. The Arkansas Highway and Transportation Department employees finished with an impressive record of 15 wins and 4 losses at Kanis Park Industrial League with an overall 48-20 win-loss record for the season.

AAPA had the opportunity to play in five major tournaments finishing 4th in the Sardis Invitational Tournament, 2nd in the Little Rock Fourth of July Tournament, 2nd in the Heims Brothers Invitational Tournament and 1st in the Little Rock City Post Season Tournament.

Four team members were selected to the All-Star Team from Kanis Park. They were Marion Butler, Roy Walden, Clif Thomas and Coach Jake Clements.

The Misfits Women's Softball team began their first year of play this season. The AHTD employees were self-sponsored and played various league teams in practice games. Approximately fifteen games were played with four losses.

The team would like to give appreciation to Kenneth Langham, Mac Cruz, Hardin Steele and Mike Eden who helped to umpire the games.

The Misfits hope to be sponsored and in league play next season.



Men's Softball: Front Row: Henry Droughter, Charles Venable, Danny Moore, James Weston, Terrell Watts, Steve Bearden, Clif Thomas. Back Row: Bill Copacino, Roy Walden, Jerry Rogers, Joe Qualls, Ron Price, Marion Butler, Carl Lindstrom and Jake Clements, coach. Not pictured are Larry Newman, Charles Hood, Willard Holt, Jim Tribo, Gary Bulloch and Glenn Raible.



Women's Softball: Front Row: Toni Langham, Connie Shaddox, Carolyn Peters, Pat Duncan, Linda Coogan, Shirley Brooks. Back Row: Gary Simpson (coach), Carolyn Bowden, Lizzie Jones, Jennie Sullivan, Linda Ross, Debbie Simpson, David Marsh and Randy Sullivan, coaches. Not pictured are Linda Shelton, Cindy Markley, Polly Craft and Jackie Laha.



Mrs. Flo Hall and granddaughter, Jenny

MRS. FLO HALL

She's happiest when she's cooking for large groups. She loves people and especially watching them eat and enjoy the food she prepares and serves - that's what makes Flo Hall of North Little Rock happy.

Flo is the wife of John Hall, Bridge Maintenance Engineer at the Arkansas State Highway and Transportation Department. John concurs that Flo is a great gourmet.

Flo Hall had been married only two years when she had to cook for her first large crowd - a crowd of 40 at her husband's family reunion. That first reunion set the stage for gatherings to come.

Flo should be a caterer. She spends many hours at home converting family-sized recipes into crowd-size recipes, often to serve as many as 350. Then there's always the problem of adapting the crowd-size recipes back down. That's a challenge.

Family reunions, wedding rehearsal dinners and receptions, anniversary dinners, New Year's Eve after-the-party pancake breakfasts - Flo Hall was there and cooking. She and husband John and family are members of Little Rock's First Church of the Nazarene, and Flo spends many Sunday and weekday nights in the church's kitchen.

Cooking for a church dinner is a full day's work. "If I cook at church, I'm there by 8:30 a.m. and leave by 10:30 p.m. or later," she said. "Of course, I usually have one helper, and my husband and children are my biggest helpers. They help me serve and clean up."

The type dinners Flo serves at the church are not the do-ahead kind, except for her Frozen Dessert. She said the best advice she could give the beginner is to find out the exact number of persons to be served and be certain to buy enough food. "My greatest fear is running out of food," she said. "We've come close, but it has never happened."

A highlight at the church is the Old Timers Dinner,

an annual event for members and guests 65 years of age and older. "We usually have the dinner in November and serve about 350," she said.

The annual turkey and dressing Christmas dinner follows. Last year, Flo served 170 church members at Christmas. Then there's always something in between - spaghetti and lasagna suppers for the church's teenagers, an annual Sweetheart Banquet, men and women's fellowship dinners. Vacation Bible School means 250 cookies each night - no small task, but Flo is willing to accept that responsibility.

"I've thought of opening a family-type restaurant, maybe when my husband retires," she said. She would specialize in family dinners, and the restaurant would have a family atmosphere. "The decor would be Early American - trestle tables and white Priscilla curtains - and I think the location would be downtown," she added.

Flo does other things than cook, although it's difficult to imagine where she finds the time. Her sewing machine is in her kitchen - not surprising. She makes her own clothes, those of her daughter and granddaughter, and embroiders work shirts, quilts, knits and crochets. "I made my daughter's wedding gown, and I used to make my little boy's suits," she said. Her greatest sewing challenge came recently when she agreed to make three sets of uniforms for each of five North Little Rock Ole Main High School cheerleaders.

She is also a member of the Gideon Auxiliary, but that's the extent of her outside the home and church activities. "My time is spent with my family," she said, "If I lose my family, I've lost everything."

Flo's father was a chef at Fort Roots V.A. Hospital, and she said her mother was a "dandy cook." So cooking came easy to Flo - as early as age seven.

AHTD PARTICIPATES IN NATIONAL MEETING

As you may have noticed in the last issue of this magazine, Little Rock is hosting the 1977 ASP-ACSM Fall Technical Meeting. This convention will be at the Little Rock Convention Center on October 18-21.

The American Society of Photogrammetry and the American Congress on Surveying and Mapping jointly hold two annual conventions. While the spring meeting is usually held in Washington, D.C., the fall meeting is held in a different section of the country each year. This is done to encourage regional participation of society members and non-members who would not ordinarily attend the spring meeting.

The theme of this year's fall meeting is "Charting a Better Tomorrow," and the technical papers to be presented will address themselves to how remote sensing, cartography, photogrammetry and surveying will contribute to tomorrow's world — today. The technical sessions will extend over the full four days and will be presented by noted engineers, professors and scientists from all over the world. Of special interest will be papers given by Arkansans.

A full schedule of social activities is planned for luncheon and nighttime enjoyment. Mr. George Kell, Arkansas State Highway Commission Chairman, will speak at the ASP-ACSM Luncheon scheduled for Wednesday, October 19. The opening day speaker will be Mr. Charles H. Andregg, Deputy Director for

Management and Technology, Defense mapping Agency, Washington, D.C., and the Keynote Address on Wednesday will be by Mr. William A. Radlinski, Associate Director of the U.S. Geological Survey in Reston, Virginia.

Exhibitors will display equipment, products and services in the convention exhibit hall. Internationally known manufacturers such as Zeiss, Kern, Kodak, Lietz, and Wild-Heerbrugg will display and will have representatives to discuss their products. Exhibits will be open from 10:30 a.m., Wednesday the 19th, until 1:00 p.m. on Friday the 21st.

Since 1974, The Arkansas State Highway and Transportation Department has contributed a great deal of talent to this convention when Mr. Henry Gray, Director, sanctioned Department participation by giving his approval for Roger Taylor, Section Head of Photogrammetry, to be Director of this convention. He and many other AHTD employees have worked countless hours toward making this meeting a success. It is hoped by the Convention staff that AHTD employees will be able to take advantage of this opportunity to attend.

Convention programs are being circulated within the Department. If you have not received one, call the Photogrammetry Section and one will be sent to you.

To all Arkansas Highway and Transportation Department employees:

In October, Little Rock will host the 1977 ASP-ACSM Fall Technical Meeting which I feel will be of interest to a large number of employees of the Arkansas Highway and Transportation Department.

This convention will provide a rare opportunity for AHTD employees to participate in a technical meeting which directly relates to many areas of highway and transportation work. I would like to encourage as many of you as can to attend this meeting.



Henry Gray
Director of Highway
and Transportation Department

ARKANSAS
STATE
HIGHWAY
AND
TRANSPORTATION
DEPARTMENT
P. O. Box 2261
Little Rock,
Arkansas 72203

