

ARKANSAS

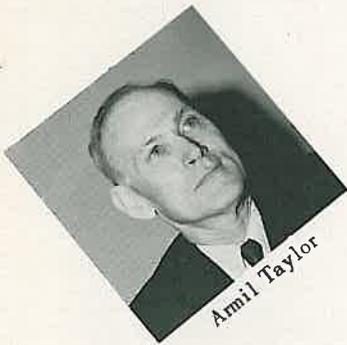
HIGHWAYS

*magazine*

DECEMBER 1964



# The Seasons Greetings



Amil Taylor



Wayne Hampton  
Chairman



John Harsh

*merry christmas  
from..*



C. L. Denton



Truman Baker  
Vice Chairman



Ward Goodman  
Director of Highways (Acting)

## C. DON HAYES RECEIVES 40-YEAR PIN



There was big doin's for C. Don Hayes, chief of the Equipment Division, on December 1 in the Central Offices and at Jacksonville when he became the second AHD employee to receive 40-year service awards. W. E. Hicks, engineer for District 7, was the first when he received his last June. Later, Don was feted with parties in the director's office and at Jacksonville.

The presentation was made by Acting Director Ward Goodman and the Highway Commission members before a large gathering of friends and relatives. In addition to the service awards he was presented a letter of commendation from Governor Faubus, a resolution from the Highway Commission, and a tribute from Mrs. W. W. Mithcell in the form of a poem. Mrs. Mitchell is the wife of one-time Highway director and engineer of County Roads until his retirement.

With only one short interruption, Hayes's services have been continuous since beginning on June 1, 1924. He was born in Union County at Noiphelt, near El Dorado. As his family moved he attended various schools in Texas and Arkansas, finally settling in Little Rock where he graduated from Scott Street High School. From the beginning as a mechanic, Don had faith and hope in the future of the Highway Department. He realized the necessity of keeping pace with the changing technical developments even though the Department was still in its infancy. He studied and worked hard and his supervisory talents were recognized as he supervised one or more phases of equipment for the past 24 years. The American Association of State Highway Officials awarded him their Certificate of Merit in 1953. His natural ability as a leader of men and manager of equipment has saved the Arkansas taxpayer many dollars. He has an amazing memory to recall the cost of equipment maintenance and the purchase of

particular types of equipment now numbering in excess of 3800 pieces, including items from chain saws to airplanes. Today, after 40 years, he is still serious minded about his work; but all must be careful in his presence not to fall in his trap for Don enjoys pulling a practical joke.

Besides his dedication to the Department he finds time to affiliate himself with many civic affairs and organizations. He is a member of the Pulaski Heights Methodist Church, North Little Rock Elks, Magnolia Masonic Lodge, Little Rock Consistory, a Shriner, and as many of AHD employees, he enjoys hunting and fishing.

Don married the former Miss Edith Lucille Robinson of Lonoke and next September they will celebrate their fortieth wedding anniversary. Mrs. Hayes was one of the special guests at the presentation. Others were his mother, Mrs. M. L. Hayes, two sisters, Mrs. Marie Blankenship, secretary to Bill Huie, safety officer for AHD, and Mrs. Dennie Wilhelm, and a brother-in-law, Earl Daugherty of Stuttgart.



Edith Hayes pinning her husband's 40-year service pin on his lapel.

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In the picture at upper left, Acting Director Ward Goodman presenting Don with his pin and certificate.



## GOVERNOR FAUBUS DEDICATES NEW HIGHWAYS TO PINE BLUFF AND SHERIDAN

A long awaited and much needed new highway toward Pine Bluff and Sheridan was dedicated December 2 by Governor Faubus before a fairly large crowd of approximately 200 persons. The relocated sections are Highways 167 and 65 south of Little Rock. The dedication ceremonies took place about 10 miles south of Little Rock, at the end of the four-lane stretch.

The new highway is a far cry from the old crooked, narrow roadbed, a portion of which was, perhaps, more despised and cussed than any highway in Arkansas. The most hazardous and mean stretch was the first 10 or 12 miles south of Little Rock. A motorist who happened to get behind a slow moving vehicle was simply out of luck if they wanted to pass. However, all that is now taken care of with the beautiful new four lanes. After the new lanes end, one new link goes 6 miles to join up with the old Highway 65 to Pine Bluff and the other is 5 miles in length, joining up with the old 167 to Sheridan. The 10 miles of four lanes and 11 miles of two lanes cost \$7,887,000, half federal and half state funds. The primary construction is not a part of the interstate but does link into the interstate at Little Rock.



Ribbon cutters helping Governor Faubus are Miss Pine Bluff, Nancy Carter; Susan Illing of Little Rock, and Miss Grant County, Judy Adams.



Acting Director Ward Goodman introduced the guests on the speakers' platform who included Lawrence Blackwell of Pine Bluff, former Highway Commissioner; Pine Bluff Mayor Offie Lites; Mayor E. O. McKinney of Sheridan; Mayor Byron Morse, Little Rock; Ben Hogan, the contractor who was low bidder for all three surfacing contracts on the relocated section; Pulaski County Judge Arch Campbell, and all the members of the Highway Commission. Highway Commission Chairman Wayne Hampton introduced Governor Faubus.

Helping Governor Faubus in the ribbon-cutting ceremonies were Miss Susan Lee Iling, Little Rock; Miss Judy Adams, Miss Grant County, and Miss Nancy Carter, Miss Pine Bluff. The high school bands from Pine Bluff and Sheridan provided music for the event.

State and city officials from Little Rock, Pine Bluff, and Sheridan were on hand. Among the non-official group was Mrs. A. W. Essie Bingham, who lives at the Bingham interchange, and who sold about 11 acres of her land to the Highway Department.

Governor Faubus complimented the Department for the new road. "The Highway Department is doing a fine job but don't get the idea, fellows, that enough is being done because there is much yet to be done." He said the biggest road problem is getting blacktop to the people in the small communities, building roads for new industries and the increasing population in the cities which demands more streets.

The Reverend Joe W. Hunter, pastor of the First Methodist Church at Sheridan, gave the invocation.



Highway Commission Chairman Wayne Hampton, at top introduced Governor Faubus; at bottom is Acting Highway Director Ward Goodman, who introduced Hampton and other guests.



## HIGHWAY DAMES

The following people have contributed to the Arkansas Highway Dames' Assistance Fund as of December 7 and are taking this means of wishing all Highway employees and their families a MERRY CHRISTMAS AND A HAPPY NEW YEAR:

Mr. and Mrs. Ward Goodman  
 Mr. and Mrs. J. C. Longcoy  
 Mr. and Mrs. Bob Mattox  
 Mr. and Mrs. Lawrence Carlson  
 Mr. and Mrs. Harold Bastian  
 Mr. and Mrs. H. H. Perkins  
 Mr. and Mrs. Baldy Vinson  
 Mr. and Mrs. Hubert Holland  
 Mr. and Mrs. S. J. Lee  
 Mr. and Mrs. Mack Hurley  
 Mr. and Mrs. Sturtart Pattillo  
 Mr. and Mrs. Dale Davison  
 Mr. and Mrs. Sam Smith  
 Mr. and Mrs. Bert Rownd  
 Mr. and Mrs. Ralph Jones  
 Mr. and Mrs. Charlie Venable  
 Mr. and Mrs. Buddy Lewter  
 Mr. and Mrs. James H. Woodson  
 Mr. and Mrs. Bill Moore  
 Mr. and Mrs. Edwin Williams  
 Mr. and Mrs. Frank Neighbors  
 Mr. and Mrs. Frank Hutchison  
 Mr. and Mrs. Fred Pulliam  
 Mr. and Mrs. J. R. Henderson  
 Mr. and Mrs. Wilbur D. Luton  
 Mr. and Mrs. John Tallant  
 Mr. and Mrs. C. A. Shumaker  
 Mr. and Mrs. Mark E. Woolsey  
 Mr. and Mrs. D. H. Martin

Those who have contributed after December 7 will be listed in the January issue of Arkansas Highways magazine.

The project committee has been busy getting together food and toys for 18 baskets which will be distributed at Christmas time. Mrs. E. E. Hurley is chairman of this committee. Others on the committee are Mrs. Ward Goodman and Mrs. J. T. Pendergrass.

Thirty-two members attended the meeting on December 3 at the Coachman's Inn. Furs, which were furnished by Ben Spector, were modeled by Mrs. Lawrence Carlson, Mrs. Lucille Dishongh, Mrs. Bill Moore, and Mrs. Charlie Venable.

The next meeting of Arkansas Highway Dames will be at 11 a.m., January 25, at the Hotel Sam Peck Loggia Room. Miss Ann McPherson of Ann's Candle Shop will present a program on candles.

# CHRISTMAS THANKSGIVING

By Mary Day

IN THE BEGINNING, the Creator finished His accomplishment of creation with the formation of man. Even then God was aware of man's yearning for beauty and a life of ease.

"And the Lord God planted a garden eastward in Eden; and there He put the man whom He had formed. And out of the ground made the Lord God to grow every tree of life also in the midst of the garden, and the tree of knowledge of good and evil. And a river went out of Eden to water the garden." (Genesis 2:8-10.)

Since time immemorial, man has striven with his fellowman, gone to war, killed, and taken the spoils of the conquered in order to get more for himself which was of material value and would add to his life of ease.

Our generation has realized the perpetuation of that striving to the ultimate degree - our scientists have wrought a weapon capable of virtual, if not total, destruction upon this planet. For the last decade we have vaguely been aware of some possible, but not probable, situation called a national disaster in the eventuality of a thermonuclear attack. But such morbid thoughts are depressing and contrary to the peaceful way of life which we have come to feel should be guaranteed us Americans.

In mid-20th century such commonplace factors as peace, personal rights, and a democratic form of government, to name a few, are taken in stride along with air conditioning, paid vacations, legal holidays, and sick leave. We talk about the courage of our forefathers and shoot firecrackers on Fourth of July - we talk about being thankful and eat turkey on Thanksgiving - and on Christmas we spend our Christmas Club checks and charge the rest to obtain gifts with proper status; and set up manger scenes on the mantel, and eat, eat, eat.

A few weeks ago we in America were poignantly reminded that a year has passed already and before many of us had hardly taken in the fact that John F. Kennedy was assassinated by a sharpshooter's bullet on a Dallas street, the anniversary of that tragic day was here. John F. Kennedy will go down in history as one of the outstanding men of the century. He will be remembered in many ways, for he excelled in many things. His interests were wide, his vision seemingly unlimited. His youthful zest for life caught on and carried over into the lives of many Americans of all ages. But he will certainly be assured a place in historic annals as a great patriot. It is ironic that this (great) man who, in every public speech, encouraged and urged Americans to be ever mindful of their heritage and to keep it alive, was taken during the season we have set aside to count our blessings.

For those who are truly grateful for our many blessings, and they are innumerable, Christmas and Thanksgiving are inseparable. For God has most assuredly held His hand over the United States of America in order for it to progress at a rate unknown by any other nation on this continent.

Though we do not wish our status quo to be disturbed, it must nevertheless withstand a jarring aspect of reality from time to time. An announcement from Washington late in November that some 95 military bases were being closed forced us into accepting the stark fact that war in the future will not be an unrealistic situation over there somewhere on the other side of the world where he will send men, planes, and ships to defend us on someone else's soil. The war of the future can be triggered by one small button and retaliation from this country likely will not come from some Pacific island fleet or air base but from an underground complex in Iowa. And so man is forced into a corner named "peaceful co-existence." We must make the effort to get along with one another through fear of total annihilation, whereas we would not make that effort in the spirit of brotherly love as the Master planner intended that we should do. So, when we really get down to it, Thanksgiving and Christmas do not have a season. We need to be thankful twelve months a year for the blessings and providential care we receive. If you are one of the people who sets aside a season to be thankful, then by all means do it this Christmas season.

## WELCOME MAT



This sign is located west of the right of way of the Brumley-Mayflower Interstate 40 project. The sign was posted on a fence post adjacent to a gate which opens to private property. Before cleaning and grubbing operations this gate was the only way for AHD personnel to have access to the project in the area.

## DECEMBER DANGEROUS MONTH

DECEMBER consistently leads all other months in total traffic fatalities, and Christmas is considered the most hazardous holiday of the year. This grim warning is continually shown up in print before the holiday season approaches, but each year the traffic fatalities continue to mount.

According to statistics compiled by Planning and Research, there were 54 fatal accidents in Arkansas last December, taking the lives of 66 persons. During the 10-day period leading up to and including Christmas Day, December 15 through December 25, there were 23 fatal accidents killing 23 persons. This follows the usual December accident trend.

As pre-Christmas preparations gain momentum, with hurried last minute shopping and the usual round of Christmas parties, highway fatalities mount, until a peak in traffic deaths for a single day is reached, normally on Christmas Day. Then, the accident toll falls off sharply.

Several factors contribute to this sharp rise in mid-December traffic crashes.

The magnitude and scope of the annual Christmas celebration itself are perhaps the foremost causes. The Christmas holiday is by far the biggest holiday celebration in the South, and it comes at a time of year when driving is most hazardous.

Bad weather and shorter daylight driving hours are potential highway hazards at any time, and would contribute to increased December traffic accidents with or without the companion dangers which Christmas creates. But when adverse winter weather, night driving, traffic congestion, and abnormal traffic flow are combined with excessive indulgence in the wrong Christmas "cheer" and the bright, blinding Yuletide street scene, traffic hazards multiply.

Arkansans preparing for the Christmas holiday must recognize these potential hazards.

Please drive carefully, and be alert at all times. Above all else, keep grief off your family's Christmas shopping list.

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### THORNTON B. ROWE

Thornton B. Rowe, 60, of the Capitol Hill Apartments, died last month in a Little Rock hospital. He was a retired employee of the Materials and Tests Division, having served 21 years. He is survived by his widow, Mrs. Hazel Rowe of Little Rock; one stepson, Robert W. Laster of Lepanto; and his mother, Mrs. Pearl C. Rowe of West Plains, Mo. He was a Presbyterian, a member of Trinity Lodge 694, F&AM, and a Royal Arch Mason. Honorary pallbearers included employees of the Highway Department.



THE FINAL ANALYSIS section of Construction Division moved into their new quarters in the old M&T building last month. Helping to "break it in" are Mr. Goodman, Commissioner Truman Baker, Ronnie Smith, (background), H. H. Perkins, and Lew Greer.



Avalee Padgett looks on as C. Don Hayes cuts the huge cake at a party at Jacksonville to celebrate his 40-year service with AHD. Below are some of the guests at the party in the central offices.

# EROSION CONTROL IN DESIGN OF HIGHWAYS

By W. E. Hicks, District 7 Engineer

A Paper Given At The SASHO Meeting at New Orleans

IN MY discussion of erosion control I will deal mostly with the subject from a maintenance standpoint and as maintenance may be required after completion of the construction. Also erosion control planning that might be placed in construction plans that would relieve the Maintenance Division and the budget of erosion repair expenditure. There appears to be a hesitancy to provide in the construction plans protective devices to reduce eroding and silting for the several classes of highways. In constructing the road, ditch paving and sodding are usually shown on the plans at selected sections for the high type construction, for the interstate work, and the primary road construction, and a limited amount of this work for the secondary road projects. Seeding for the secondary roads is sometimes used and sometimes omitted.

Since the subjects are closely related, I will combine erosion and silting. Silting results from erosion. For each unit of volume displaced by the erosive forces of drainage discharge, there is usually a percentage of this eroded material deposited as silt. A portion is deposited in the drainage system, the culvert openings, and the side ditches. A part is deposited on adjoining and sometimes improved property, pasture land, and in the ponds and small lakes, restricting the water capacity in the lakes and ponds, and rendering the cultivated land unfit for crops and for grazing. The fine sediment in solution usually remains in solution in the bodies of water, and the continual movement of the material from bottom to top and top to bottom creates a murky, muddy water condition that renders the water unfit for fishing, boating, or swimming, and for use as stock water. We know that it is impossible to obtain a complete erosion control but we could obtain limited control at all places.

The erosive forces and their action on the roads may be divided in several parts. First we have scour, due to the water flow from the pavements to the shoulders, and over the shoulder slopes. Second, the roadway backslope scour, and third, the side ditch scour. Fourth, and last, is the scour on the outlet drainage ditches.

\* \* \*

THE USUAL method to combat shoulder scour is to construct some form of shoulder surfacing. Tuff shoulders are sometimes built. Along roadways with shoulders of ample width as will allow parking outside the travelled lanes, we usually place an asphaltic surface treatment that serves both the traffic

for parking, and as a scour preventative. We have sometimes used a sand asphaltic moisture for paving, but found it to be uneconomical because it is usually necessary to seal the asphaltic material in order to show a line of demarcation and differentiate between the shoulder and the pavement, to restrict the traffic to the pavement lanes. The asphaltic surface treated shoulders require little maintenance. For the shoulders of narrow width, we surface with gravel, except in cases where sand is used for base. Our designs for sand base provide a stabilization under the pavement area, but leave a sand shoulder. To reduce shoulder erosion along this type shoulders, we extend the seeding work to the edge of the pavement. This method is not entirely satisfactory, because rains scour the shoulder edges prior to the establishment of the grass growth. Roadway front-slope and fillslope scour in sandy soils can be extensive. Scour repair along these slopes are minor in nature as compared to repairs sometimes needed for the long backslopes in cut sections, and those locations where the backslope receives the drainage from the adjacent ground surface that slopes toward the roadway. A portion of this ground slope drainage may be diverted away from the road by constructing diversion ditches and dikes outside the road section, and near the right of way lines, and construction of these diversion ditches in contour direction, and leading toward the natural drains.

If the roadway is located near the summit of a ridge, the direction of flow may be reversed away from the roadway by constructing diversion ditches that drain in opposite direction, and at places of low profile. Roadway side ditch scour presents the greatest trouble. The ditches receive the drainage from both slopes, and in addition the cumulative discharge built up along a long section of grade creates a high scouring velocity. The scour extends vertically and then outward, undermining the front-slope and the backslope, and over a period of time the area of damage gradually increases in size until the shoulders are endangered and the backslope damaged.

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THE MOST common method to reduce the scour is the use of the ditch dam or ditch check. Other methods are: concrete ditch paving, strip sod placed at intervals along the ditch bottom in contour fashion, partial paving using an asphaltic mixture, and by seeding or mulch sodding using a protective woven fiber placed and pinned down over the seed or sod. The theory of the ditch dam is to reduce the ditch gradient to an amount that will decrease the water velocity below that of scour action. This is accomplished by constructing a series of drops or steps along the ditch bottom. The spacing of the dams are proportional to the desired ditch grade, and the ditch grade is determined from the height of the dams. The spacing may be expressed by the formula: 100 feet (per station) over the road grade, minus the ditch grade, which is divided by the height of the dams. For instance, if the road grade is 6 per cent and the ditch grade is 1 per cent and the height

of the dam is 12 inches, the spacing would be 20 feet.

There are many types of dams. We have used earth dams, sod bag dams, and concrete, rubble masonry, and treated timber dams. The most economical to build are the earth dams and the sod bag dams. Both are effective if properly spaced, and will usually remain in place until a turf growth is started. The earth dam is constructed by using the soil out of the adjoining slopes, shaping across the ditch as a dam, tamping it in place and coating the surface with a heavy catalytic asphalt. While the asphalt is is at a high temperature, place a pea-size washed gravel or crushed stone on the surface. This mineral aggregate will increase the resistance to scour. The sod bag dam is, as the name implies, the placing of burlap bags filled with mulch sod as a dam across the ditch section. To obtain best results, seed and fertilizer may be added to the mulch to hasten the growth. The grass will extend through the burlap and will obtain a permanent set prior to the rotting of the fabric. The concrete, the rubble, and the timber ditch checks are similar in design. Side walls extend into the slopes to prevent the cutting around by the drainage. The throat is a weir section and aprons are constructed at the base of the wall to reduce the scour action.

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ANOTHER EFFECTIVE ditch scour protection is the use of jute bagging or similar material pinned down over the seed or mulch along the ditch bottoms. Care should be exercised to allow plenty of width of bagging outward from the ditch bottom and extending a short distance upslope and which will eliminate scour action outside the edges of the fabric. If the scour starts outside the edges of the bagging, the seeding is destroyed.

In the use of concrete paving of the ditch bottoms, the area of waterway in the wetted perimeter is determined from the drainage area that discharges into the ditches. The required waterway is taken from Talbot's formula. The computed waterway determines the width and depth of the lining and this required area at times results in expensive construction. To reduce costs, we have used a constant narrow width of paving that only protects the ditch bottom, and have combined the concrete lining with block sodding upslope that joins the pavement edges that extends upward for a distance away from the paving. We believe this to be as effective as the size paved area. Mulch sodding is used along high embankments. The mulch sod is obtained by windrowing the material at the source, loading into trucks, hauling to the road, and dumping on the slopes, then spreading with a dozer and rolling into place. It is watered for a period after completion.

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THE MOST common form of slope protection is seeding. In the work of development for seeding, a well prepared seed bed is essential. This can be accomplished by several methods, such as: disking, raking, or harrowing. Regardless of the method

used, the soil should be broken along the contour of the slopes to a depth of about 2 inches. The seed is usually broadcast and a light disking is necessary to cover the seed. To reduce erosion and conserve moisture, the seed should be covered with a straw mulch at the rate of about 2 tons per acre. Emulsified asphalt should be sprayed over the straw at a rate of 0.1 gallon per square yard, and as a tie down material. In some cases we have omitted the straw and have sprayed the emulsion directly on the seed with fair results.

If a hydro-mulcher is used for seeding, the mulch, fertilizer, seed, and water can be incorporated into one operation. The mulch is a manufactured wood cellulose material marketed by the paper companies. In appearance it is a fine-shredded wool like substance that, when placed on the slopes under pressure, tends to imbed itself into the loosened soil, thus preventing displacement during rains and high winds. The wood cellulose mulch should be applied at the rate of 0.5 to 0.7 tons per acre. Prices bid for seeding and using the wood cellulose are approximately the same as for straw and asphalt cover. This equal cost may be due to the saving in labor for the cellulose work.

Seed recommended for southern climates are fescue and rye grass, from September to November. The fescue seed is applied at 45 pounds and the rye grass at 90 pounds per acre, and using about 0.4 ton of 10-20-10 fertilizer. Bermuda seed is used from April to June, and at the rate of 15 pounds per acre, and with 0.4 ton of fertilizer per acre. Pensacola Bahia can be used at the rate of 45 pounds per acre, and may be used from April to June. Bermuda mulch sod can be placed from February to August, and at the rate of 400 cubic yards per acre, with 0.4 ton of fertilizer per acre. This unit quantity of mulch will allow about a 3-inch depth. Lespedeza seed at 90 pounds per acre, with 0.25 ton of 12-12-12 fertilizer, may be used from March to May, and crimson clover at 80 pounds per acre and with 0.4 ton of 0-20-20 fertilizer may be used from September to November.

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THE TYPE of soil in the cuts and fills is an important factor in a successful turf growth, especially where seed is used. At places, and if the soil in place is high in fine sand or clay and containing little loam and incapable of providing proper sustenance for growth, the slopes may be treated prior to the seeding. At these locations we have obtained good results by placing a layer of loam on the slope surfaces prior to the seed application.

Erosion in the outlet ditches and out of the culverts creates trouble where there is any amount of ground slope. Starting at the end of the culverts, the erosion begins with a vertical fall and the scour extends progressively downstream and in an amount that, unless halted, may ultimately cause a displacement of a unit in the structure. To counteract this, we have at times used a circular concrete basin at

# OH RIP! OH RAP!

By: Janet McElduff  
District I

Take one part-time housewife, part-time mother and part-time secretary and mix thoroughly with one full-time District Engineer's secretary's job. Add to that a hearty dose of highway terminology mixed with thoughts of what to have for dinner, six-weeks grades, bridge club, and what do you have! Mass confusion and sometimes near hysteria. Hysteria. A nervous affliction occurring chiefly in women. Surely I am not a lone sufferer of this affliction among the women employees of the Highway Department.

Now take for instance some miserable day when your fingers are doing the highway's work but your mind is wondering what on earth to have for dinner that night. All of a sudden your fingers stumble over the word "euclid" and your mind gets the message - Mexican food. Why, of course. What could be clearer? It looks just like Mexican food. And the word "median." Was the steak last night median, rare, or well-done? I never see the words 45° skew that I don't visualize a gadget for cooking outside at 45°. And then there are the first two items in the specifications of clearing and grubbing. I mentally reverse these items whenever I am typing pay items for the little black book and unconsciously think "grubbing" - meal-time; "clearing" - cleaning up after grubbing. And in the same little "red book" (Standard Specifications for Highway Construction or better known as a good monthly magazine for women) is Item 906, Drop Inlets. With just a little mental progression you can be in a fine party frame of mind. Drop in. Let's! Anytime between 5 and 8. You see, highway work isn't all dull!

Oh, there are all kinds of fun to be had, particularly when you see or hear words you've never encountered before. I'll never forget the first time our beloved and late friend James Hamilton used the word "scarifier." I thought he was getting something for his grandson for Halloween. And the first time I saw T.T. Post on a U-sheet. I still don't know what a T.T. Post is but in my mind it would be a great convenience for traveling mothers with small boys. Somehow or another everytime they talk about a seal coat I can't help but think I'd rather have mink, and if they were really smart, instead of using a sweeper and broom they'd get a vacuum. And what on earth makes me think of a stenographer's chair everytime I hear of a "tail-gate spreader"? I think of a fleet jack as a swift-footed rabbit and never see R/W that I don't think, hurry, hurry, right away! FAP reminds me of fat and pretty, but then when you consider that PS&E pertains to sleeping and eating I guess you couldn't help but be FAP.

Authorizations are the same at home and in the office, just depends on whether the director or your

husband is doing it. Budget falls in this same category. I just hope the Highway's isn't in the same shape as the one at home. And then there is the Accounting Manual. Gone With The Wind in highway language with weekly supplements.

Riprap sounds like a dirty word of an older generation. You know. Like "oh rip," or "oh rap." That day I argued with the boss over "10%±" I just thought it was a typographical error. Any fool should have known a plus and a minus would mean over or under. Then there are the days when I'm checking test pile reports and my mind is doing something else. "Type of Piling" - hmmm - wool, nylon, mohair. Certainly "Gravity of Steam" couldn't be anything but the seriousness of one full of hot air. Somehow or another when they open bids each month I automatically think 4 Hearts, and where could you get a more perfect simile than a Public Hearing and a Bridge Club Meeting?

Some days are worse than others, as with all combination mothers-housewives-secretarys, but there is rarely a day that you can't take the ingredients of home-making, child-rearing and highway working, shake well, and come up with a good hearty laugh, FAP, BPR, PS&E notwithstanding!

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Erosion (continued)

the outlet end of the culvert. The top circumference of the bowl is level with the floor of the culvert, and is connected to a short concrete outlet spillway downstream where the water is dissipated in the bowl area, and as the water overflows into the spillway the only velocity created is that caused by the head from the flow. For structures at ravine crossings and at places where flooding upstream is of no importance, we sometimes place culverts on the side of the ravine and allow the drainage to back upstream until it flows through the culvert. The roadway serves as a dam and the culvert is the spillway. Eventually the ravine will silt to the culvert level, but by that time the vegetation has matured and erosion is no longer a problem.

In conclusion, let me say that the remark sometimes made by persons while observing large areas of eroded ground surface, and the statement that the land has gone to the Gulf or to the ocean, is not entirely correct. The ground has only changed its local address.



# AROUND THE DEPARTMENT



## ACCOUNTING DIVISION

Mildred Harness

Margaret Allen returned from her vacation visiting son John and wife, and grandchildren in Huntsville, Tex. She also visited with her sister in Ft. Worth. We all missed her and glad she is back.

Frank Phillips had a birthday November 20. He received cards from friends in and around the office. Hope he has many more.

Johnnie and Mollie Beavers spent Thanksgiving in Florida visiting their son, Charlie, and his wife and little daughter. They thoroughly enjoyed their trip and seeing the little "apple of their eye."

The Accounting Division has had a lot of illness in recent weeks. As of this writing, Lee Wagner's mother-in-law is hospitalized with an injured back...Alene Boysen's husband, Edwin, is hospitalized in the VA Hospital...Joe Schamer's wife, Evelyn, is in St. Vincent's Infirmary...Tyronza Hines's mother is ill in a hospital in Warren. Our prayers and good wishes go to each of these people and their families.

This is it for now. Hope to have more and better news next time.



## COUNTY PROGRAM

Barbara Oldham

John Tallant attended the Annual SASHO Conference in New Orleans, November 8 through November 11. The trip was made by automobile in company with Roy Johnson and Jewell Whitaker. Mr. Tallant was on the Construction Committee and gave a speech entitled "Contract Time and Liquidated Damages."

Mr. and Mrs. Max C. Hall made a trip to Danville, Ill. during the Thanksgiving holidays to visit relatives.

Mr. and Mrs. J. E. Teasdale spent the Thanksgiving holidays with Mrs. Teasdale's mother in Malvern. They also enjoyed a visit from Mrs. Teasdale's sister who lives in Chicago.

The County Roads Division has rearranged its offices. We have moved the internal audit section into one of our private offices. They really seem to like the idea.

It won't be long before Chet Atkins will have some competition from one of our draftsmen who recently received an electric guitar.

This reporter and husband Jim enjoyed Thanksgiving Day dinner with both families. Everyone, I am sure, had their fill of food, but don't be too optimistic, Christmas is just around the corner.

The County Roads Division would like to wish everyone a MERRY CHRISTMAS AND A HAPPY NEW YEAR.



## EQUIPMENT

Sally Crook

Frank Pitts and Mrs. Pitts are parents of a baby girl, Mary Patricia, born in Baptist Hospital October 30. Little Mary weighed 5 pounds, 10½ ounces. Our best wishes to the Pitts.

Henry Kirchoff spent Thanksgiving week end at Paragould with his mother and other relatives. Henry said that "Mom," who is pushing 93 years, really enjoyed her rummy games over the week end.

Helen Latture has a new grandson who was born November 8. The baby weighed 6 pounds, 7 ounces and is named Jeffrey Allen Latture.

C. Don Hayes reports that this was a rather bad year for him during the first deer season. It was 7:28 a.m. one morning before he bagged his deer and he had to use two shells, which means he will have to stop hunting at the age of 74. The story goes this way - When Mr. Hayes was 50 he bought a box of shells for his deer hunting (a box contains 25). This same box of shells was to last until he reached the age of 75 and since he had to use two shells this year, he will have only enough shells to last until he reaches 74.

We all hope I. M. Kibbe, carpenter in central shops, a speedy recovery from a severe cut on his left arm suffered last month. As of this writing he is in Baptist Hospital.



## PLANNING AND RESEARCH

Bonnie Thomas

Katie Brasel and Helen McNutt were joint hostesses for a shower December 4 honoring Mary Ann Dickson, our bride-to-be. The feminine contingent of P&R attended.

Gary Whittington has been passing out cigars, the occasion being the birth of his fourth child, a girl. Gary says he thinks they're cheaper by the dozen.

Bonnie Thomas' father is in the hospital undergoing treatment and we hope he will soon be feeling better.

Mr. Bartleson's Road Life-Road Inventory section is losing its only girl employee by the resignation of Mary Jane Kniepkamp. She has accepted another position and since Mary Jane has been a faithful baker of cakes for birthdays and other occasions around the office, this will leave a double gap to be filled. We all wish Mary Jane the very best of luck in her new undertaking.

One of our night students at LRU, Billie Whiteside, has been elected to Sword and Shield Honor Society. The members are selected from the top 10 per cent, scholastically, of the junior and senior classes. Billie is also a member of Phi Theta Kappa, the honor society for the freshman and sophomore classes. She is majoring in English and is beginning her senior studies. She hopes to get a degree. This is a pretty hard job, the night school way.

Sue Cullins and Annice Hendrix have been laboring on their term papers which must be turned in at LRU soon. We commend their efforts.

J. R. Henderson attended the annual meeting of the American Association of State Highway Officials at Atlanta, Ga. during the week of December 7.

We have several lovely new blondes about the building and others are reported to be considering the stop. Girls, is it true blondes have more fun?

We extend our sympathies to Florence Routh on the recent death of her grandmother, and to Marjarine Turner on the death of her aunt.



## PROCUREMENT

Lou Hardy

Since our last report several of our employees have grown a year older...Jim Meredith, on October 2; Willene Dorris on October 28; Lewis Wade on November 8, and Frank Cagle on November 18.

Our newest employee is Janie Yancey, a blue-eyed blonde who hails from good old North Little Rock. Janie is 21, is a graduate of North Little Rock High, and is married to Quinton D. Yancey. In April, Janie moved to California but returned in August after deciding it was not the place for her. However, in October she returned there for a week's vacation be-

fore starting to work here. She is a member of the Levy Baptist Church.

The Frank Caple family spent Thanksgiving with relatives in Jonesboro. Pam, Frank and Sylvia's daughter, is attending Little Rock University and has been named to the Dean's list. Well, there went another one of Frank's buttons. Pam had better slow down as it's getting difficult keeping buttons on his suit.

Willene and Bud Dorris are proud of their son, Buddy, also. Buddy has a Gazette route and recently won a trip to New Orleans and thoroughly enjoyed himself. The Dorris family spent Thanksgiving at home.

Leta Wade, wife of Lewis Wade, was able to go home from the hospital to be with her family on Thanksgiving Day. She returned the following day but has now returned home and we all hope for good. It goes without saying that "Gummy" and sons had a truly wonderful Thanksgiving.

Dorris Haskett spent her holiday at home with her children...Jim and Martha Meredith enjoyed having son Conley home for the holiday from the University of Arkansas, and as usual, there was too much of everything to eat. Jim and Martha attended the SASHO meeting in New Orleans and are planning a trip to Dallas and the Cotton Bowl to celebrate their wedding anniversary (21 years).

This reporter and family spent Thanksgiving with sister and family, and Alton's family. November 26 was not only Thanksgiving for us but our sixth wedding anniversary.



## RIGHT OF WAY

Shirley Childress

The big news this month WAS to be about all the big bucks that were killed during the first deer season. But, since several men went hunting, some for a few days and some for a whole week and no deer were killed, we think it would be best not to mention any names and just say better luck next time...The duck hunters didn't do much better although a few did get their limit.

Several of our employees went out of town to spend Thanksgiving with their families; two went out of the state...Mr. Elledge took a week's vacation and he and his wife went to Corpus Christi, Tex. to visit their daughter and family. Harry Word and his family spent Thanksgiving in Memphis.

Larry Lorence took a few extra days off during the Thanksgiving holiday and he and his wife entertained Mrs. Lorence's sister, brother-in-law, and two nieces from Houston, Tex. Mrs. Lorence's brother-in-law is a geologist with the Humble Oil Company so during their visit Larry took them on a short trip through Magnet Cove,

a small mining town, and said his brother-in-law found it very interesting. They also drove on to Hot Springs the same day but their sightseeing was hampered by rain.

Colonel Schafer is a patient in Brooks General Hospital, San Antonio, Tex. We hope he is now much improved and will soon be back to work.



## ROADWAY DESIGN

Virginia Deckard

Congratulations to Richard and Beth Butler on the birth of a daughter, born November 24. The little lady weighed 7 pounds, 8 ounces, and is named Stephenia Denice.

Mr. and Mrs. W. C. Johnston left by train November 21 to visit their son Jim and his wife in Monterrey, Mexico. He said they had an enjoyable trip and the weather was considerably warmer in Mexico than it is here. They flew home.

We will miss engineer-in-training Jerry Lee Potter, who left us November 30 to continue his training in Materials and Tests.

Several of our guys from Roadway took part of their vacation to go deer hunting the first season. Ray Maxey and Frank Lemon were both lucky enough to get one. Also, this reporter's husband killed one.

John Hicks's little grandson had surgery November 23. He is at home now and doing fine.

Mr. and Mrs. Chester Siesicki spent their vacation in Bridgeport, Conn., visiting his mother and father and other relatives. While there, the elder Siesickis celebrated their forty-ninth wedding anniversary and there was quite a party. Twenty-two of Chester's relatives were there and they had a marvelous time but Chester said he was still taking Tums, Roloids, etc.

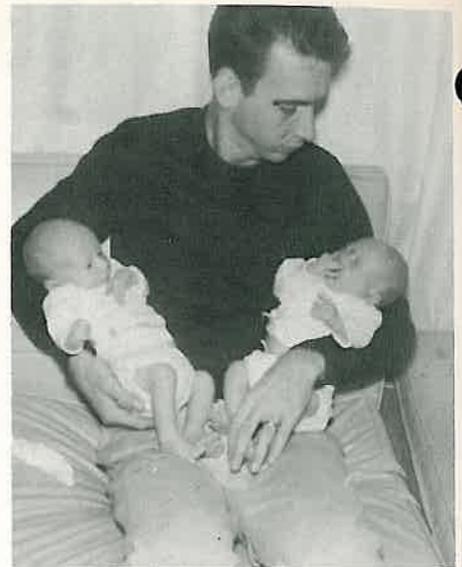


## DISTRICT



Leslie Long

John Harris and wife, Louise, motored to New Orleans November 7 for the SASHO Convention being held November 8-11, at the Roosevelt Hotel. While John attended meetings, Louise enjoyed that good New Orleans hospitality. They were among those honored with a glorious cruise on the S.S. President, being entertained with a dance and banquet while aboard. On their return trip they enjoyed a visit with John's family at Silsbee, Tex., and a stop at Shreveport to visit with ex-Pine Bluff neighbors. If you've never tasted the New Orleans cuisine, you don't know what you've missed.



Gary Sipes of Roadway Design holds his twins, Ronal Kane and Ronda Lane, born October 25.

On the evening of October 30, the cabin of John Merle Hollis, located near Rison on the Saline River, was the center of interest for a stag squirrel dinner, consisting of fried squirrel, mulligan stew, french fries, salad and more squirrel, all prepared in the cabin kitchen by John Merle and Joe Hays. They all left with the firm avowal to think like a squirrel and wait 'til next time.

Only some of the deer hunters who bagged their deer on the first season reported: Olan Clark, Meeks, Shorty Fullbright, Gerald White, and Son Johnson. We'd like to have a good picture from one or all of these sharpshooters.

We're glad to hear that Bernard Hart has returned to work in the resident engineer's office after being in the hospital, and glad to have I. V. White back at work in the shop. We missed his smiling countenance while he was in the hospital.

Joe Savage's daughter and son-in-law from Atlanta, Ga. have been visiting in his home...Nothing like having the "kids" home for the holiday season.

We are always happy to have former employees of District 2, who are now retired, come by for a visit. Inez Royston came by recently and from all reports, her eight years of retirement have been most enjoyable though she does complain that the fishing hasn't been too good this year. She made a trip to Mexico City recently and from her report, she made us all want to go. She went on a guided tour by bus, sponsored by the American Association of Retired Persons. She said it was well conducted and the stops were at the very best hotels and motels; food was good, and there was a congenial group of 36 persons. They plan to make one to the World's Fair in New York next year, and on into Canada. Of course, Mrs. R. plans to be among those present.

Another retired employee, W. H. Cook, who was resident engineer in the construction department, recently was notified that his yard had been selected as "Yard of the Month." He said he and Mrs. Cook had been out for several hours and when they drove up, saw a sign in their yard and wondered if someone had taken over during their absence, then were delighted and surprised at the honor they had received. Mr. Cook does keep a beautiful yard and their flowers are really the finest. Mrs. Cook concedes that the credit should go to Mr. Cook as she keeps busy in the house.

Mr. "Bob" Warren comes down real often and he has been on a couple of trips during recent months to visit his grandson Bob and family, who live in Chicago. One trip was by train and one was by air. He also is found often on his way to Jackson, Miss. to visit a daughter, Mrs. John Bookhart and her family. Nothing quite like children and grandchildren, particularly after a person retires.



## DISTRICT



Edna Lewallen

A meeting of the foremen and resident engineers in District 3 was held at the district office October 30. Charles Hyatt, assistant manager of the social security office in Texarkana, gave an informative speech on social security. Other speakers were Highway Commissioner John Harsh, J. E. McCarthy, chief of the Accounting Division, and A. G. Cruce, field auditor. District 3 Engineer J. E. Lowder presented Eldredge Lee, job superintendent, with his 20-year service awards. At noon everyone enjoyed a fish fry with all the trimmings. There was plenty of fish, fried to perfection by "Chef" Kitchens. A large assortment of cakes and pies were sent by the bosses' wives and Mrs. Glasgow. Kemmit is our area foreman in Howard County. We were joined at noon by Ethel Lowder and Lena Maryman.

R. W. Wylie, Sevier County, who has been in the Veteran's Hospital in Fayetteville, and Clovis Tittle, mechanic, who has been in Branch Hospital here in Hope, are both back on their jobs.

Ralph and Shirley McKinnon are parents of a daughter, Beverley Jo, born November 14, weighing 6 pounds. Ralph works in Nevada County.

Audry and Edgar Andrews drove to Texarkana to meet their daughter Carolyn and grandchildren Randy and Maria, who flew in from Las Vegas. They plan to visit until after the Christmas holidays.

Dennis Brainerd, son of Gordon Brainerd, DeQueen, sustained a broken left arm while playing at school.

Olive Jackson our bookkeeper, and Sam Huckabee, stock clerk, are both sporting new cars.

Ivan Black and family moved to their new brick home on Highway 82 in Texarkana.

Annette Hatfield, daughter of LeRoy and Mercedes Hatfield, and Mike Archer, son of Hoyitt and Effie Mae Archer, were both selected members as of the National Honor Society at Hope High. Both are seniors.

Elmer and Eunice Horn are in Dallas with their son who has undergone surgery at Baylor Hospital.

Birthdays in our district for the month of November are too numerous to mention. However, our boss, Ardell Clark, was surprised on his birthday with a cake baked by Georgia Whittemore. All of the office personnel got together to partake of it.

One week of deer season has come and gone. Those reporting their good luck were Bobbie Jo Flaherty, Imon Hamric, John Ed Barham, John Barham, and Ralph McKinnon.

Ruel Eugene Staggs with the Marines stationed at Camp Pendleton, Calif., spent 18 days with his parents, Ruel and Joy Staggs in Lockesburg. David Clark, son of Nolen and Lovenia Clark, stationed in Florida, with the Air Force, is also visiting his parents in Hope.

J. E. Lowder attended the SASHO Convention held in New Orleans November 8 through November 11. Mrs. Lowder accompanied him and reported an interesting trip.

Billy Ray Ferguson resigned November 1 to work for the U. S. Post Office. Billy was field clerk for Resident Engineer R. V. Wilkison.

(Editor's note: We received a note from Olive Jackson, who was reporter for District 3 since the magazine's inception in 1953, stating that she had enjoyed working with us but because she had reported so long a change was needed. We most certainly appreciate Olive's conscientious reporting through the years, testified by the fact that not one time did she ever miss sending in news from District 3. Thanks, Olive. We're glad to have Edna take over in this capacity and we feel sure she will do a good job.)



## DISTRICT



The Informers

Oh, these grandparents! Grandmother Emily Rogers is clucking about her third grandchild, a newly born grandson. John Charles Rogers, Jr. was born November 17, weighing 8 pounds, 2 ounces. Grandmother, parents and child are doing just fine.

Grandmother Helen Butler is clucking about the cute things "Cricket" is doing and about her beginning to talk. Cricket is two years old.

"Mama" Clayton (Mrs. J. P.) is clucking about her grandson, Clayton Keller, who took a National Metropolitan Achievement test and came out with a superior rating in all subjects. Congratulations to the Claytons.

E. E. Pierce and wife planned to take a short vacation but wound up driving 5,000 miles. They visited Bull Shoals, Texas, Mexico, and Colorado, sightseeing and visiting relatives. Reported a nice trip.

At this writing, both Harley Harrison of the bridge crew and Larkin Adair, Logan County, are hospitalized but we look for them back on the job by the time this magazine is issued.

The deer hunters must have had a bad season this year because the following are the only reports we have: Vard Carpenter, Thurman Atchley, Bud Durbin, Tommy Zachery, and Don Oliver.

The crew at Waldron are proud of being the top rated area headquarters in District 4 in the last inspection. In the picture you can see the yard man, Thurman Atchely, and Curtis Oliver, foreman. You can also see some of the shrubs and flowers that Thurman cares for. Curtis brought a sunflower seedling which they raised and it measured 11 inches in diameter. Keep up the good work, men!



Thurman Atchely, yard man, and Curtis Oliver, foreman, pose in front of the top of the top rated area headquarters in District 4.

In construction, old "5 Shot" Ed Slaughterbeck, instrumentman, shot a 7-point buck and by tales told, it is still growing...nice going, Ed.

Wilma Sue Aven has recently received her MRS degree. Congratulations, Mrs. Burnett. (Wilma is a clerk in construction.)

Mr. and Mrs. Clayton attended the SASHO Meeting in New Orleans late in November. They had a wonderful time.

Our deepest sympathies are extended to District 2 in having the auditors and other distinguished guests. (They really are a great bunch of guys.)

Mona Gross, district secretary, appreciated the fact that Janet McElduff could sympathize with her concerning her much needed rest.

We truly hope that everyone had a wonderful Thanksgiving for we all have much to be thankful for. District 4 had a beautiful day and all personnel reported a fine holiday.



Red Lindsey and Ray Rogers shown at the squirrel mulligan dinner at area headquarters in Magnolia.



DISTRICT



Burnham & Campbell

District 7 Engineer W. E. Hicks attended the SASHO Meeting at New Orleans November 8-11. He showed slides and gave a talk to the Design Committee on "Erosion Control in Design of Highways." The subject included both erosive damage and damage from the resulting silting, and as the elimination of one would remove the damage to the roadways of both.

Mary Nell Carlson, on maternity leave as field clerk for N. D. Pumphrey, and husband, Joe, are the parents of a 7 pound, 3 ounce daughter, Letitia Nell. Both mother and daughter - and father - are doing fine.

The following employees from Pumphrey's office participated in the first deer season: John Livingston, Eddie Beasley, Larry Hollis, Carl C. McMahan, Tommy Eugene Mitchell, and Dave Rowland. All enjoyed a pleasant hunt and John bagged a 6-point buck, Larry a spike, and Carl a 9-point buck.

A squirrel mulligan was given at the area headquarters building in Magnolia by Ray Rogers, Columbia County foreman, and his employees on the evening of October 23. There were 71 attendants. Out-of-town guests were Mr. and Mrs. "Red" Lindsey and Mr. and Mrs. Hal Woodson from Camden, and Mr. and Mrs. W. V. Bradshaw from El Dorado. Music was provided by employees of AHD and other local talent.

Judy Hicks drove from Fayetteville to spend the Thanksgiving holidays with her parents, Mr. and Mrs. W. E. Hicks. Judy is a senior at the University this year. Clayton Russell, brother of Mrs. Hicks, spent the week of November 8 with her while Mr. Hicks attended the meeting at New Orleans.

Mary Silliman spent a week in Dallas recently and said Big "D" was still the place to go to spend all the money you have.



DISTRICT



Jean McCoy

The Leon Wards announce the birth of a baby boy September 27, weighing 9 pounds, 13 ounces.

Larry and Rose Rainwater are parents of a new baby girl, born September 12.

T. G. (Buddy) Orton, Jr. has a new employee, Jack H. Williams, who started working November 15.

Jack K. Brown and Mary Ann Gottson were married October 24 at the Catholic Church in Saint Vincent. We wish them much happiness.

Our boss, District Engineer John H. Lawrence and his wife attended the SASHO Meeting in New Orleans the second week in November. They accompanied Mr. and Mrs. W. L. Moore of Little Rock.

Several men in our district went deer hunting and many of them were lucky

enough to bring home a deer. Jim Rives killed a 12-point buck; Bill Anderson got a 5-point buck; Benny Baggett got an 8-point one, and Walter Hardwicke got a 12-point one. Jim Little, resident engineer in Johnson County, got a 4-point buck with a bow and arrow on October 23. (See picture)

The Dardanelle Reservoir is filling with water making a beautiful lake out west of Russellville. Reports have it that ducks are covering the lake and many of the men in District 8 will be out there trying their luck since the season is open.

Netha Brown, payroll clerk, was all smiles one Friday afternoon recently; she was leading her granddaughter around the office. Lora Lou lives in Tulsa and doesn't visit here very often.

The Dover Businessmen's Club treated members of our maintenance sealing crew to a feast in appreciation of their fine work in sealing their streets.

We extend our sympathies to Jim Phillips in the death of his mother, and to Milton Edwards who had a recent death in his family.



Jim Little, resident engineer in Johnson County, with his 4-point buck he killed with a bow and arrow October 23.

ARKANSAS HIGHWAYS

XII.

DECEMBER 1964

No. 12

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

THE COMMISSION

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(Acting Director of Highways)

Ward Goodman

Prepared and edited under the supervision of the Administrative Assistant's Office.

Martha L. Adams.....editor, layout, vari-typist  
Pat Johnson.....vari-typist, artwork  
Johnnie Gray.....Department photographer

MATERIALS AND TESTS - Julia M. Halliburton

Mr. and Mrs. Robert Sims of Plummerville have a new son, John Robert, born in a Morrilton hospital weighing 6 pounds, 1 ounce.

Several attended the last game at Fayetteville and had great fun watching the Razorbacks win (naturally).

James D. Johnson resigned to enter the Air Force and is now stationed in Texas. H. Padgett resigned to work on Greer's Ferry Dam at Heber Springs.

Pat Downing, daughter of our Sibyle Maddox, made Sibyle a grandmother recently when she had a baby daughter.

Sibyle's other daughter, Sandra Dee, is engaged to be married December 17 to Billy Clint Skyrme, son of Mr. and Mrs. Clint C. Skyrme of Newport. Sandra was graduated from Little Rock Central and attended Arkansas State Teachers at Conway, where she was a cheerleader and a member of Beta Sigma Phi, business sorority. Billy, a graduate of Newport High School, also attended ASTC, where he was affiliated with Pi Kappa Alpha fraternity. He is now attending Little Rock University. The marriage will take place in First Baptist Church.

John Storey's parents, Joe and Kate Storey of Mountain View, celebrated their sixtieth wedding anniversary November 6. The elder Storeys had 10 children, 8 of whom are living, and quite a number of grandchildren. John, an inspector in M&T, was among the host of children, grandchildren, other relatives and friends who attended Open House held for them in Mountain View, to honor them on this momentous occasion.

Mr. and Mrs. Raymond Lynch visited their son Bill and daughter in Amarillo, Tex. recently. Raymond and Bill attended the Arkansas and Texas Tech game.

We extend our sympathies to the family of T. B. Rowe, retired employee of M&T who died last month.

TO ALL OF YOU FROM ALL OF US A VERY MERRY CHRISTMAS AND PROSPEROUS NEW YEAR.

COVER PICTURE: A drawing of the Highway Department's new nine-story central office building which will be constructed on a portion of the 22 acres of land owned by the Department on the New Benton Highway. Included in the plans is a fully equipped emergency operations center capable of handling the highway operation in the event of a nuclear attack. The new building will be a rectangular shape containing 100,000 square feet and will be built of brick with a steel frame and fireproof. Bids for construction of the new building were to be opened December 16.



this'll kill ya!

A minister, discovering at the last minute that he had forgotten to invite a long-time but somewhat crotchety parishioner to a garden party he was giving, hastily called her.

"It's too late," she snapped, "I've already prayed for rain!"

\*\*\*

The rather fickle bachelor was telling a married friend about the talents and accomplishments of a girl he had just met. The married man listened quietly. He had heard him rave like this before.

"And you know," the bachelor enthused, "this girl has brains enough for two."

"Then," was his companion's terse comment, "you ought to marry her right away."

\*\*\*

Sergeant: "Did you give the prisoner the third degree?"

Constable: "Yes, we browbeat him, badgered him and asked him every question we could think of."

Sergeant: "So?"

Constable: "He dozed off and merely said, 'Yes, dear, you are perfectly right.'"

\*\*\*

One woman to another: "I won't go into all the details. In fact, I've already told you more about it than I heard myself."

\*\*\*

"Should I take Junior to the zoo tomorrow?"

"If the zoo wants him, let 'em come and get him."

\*\*\*

Lady (holding a cookie above a dog): "Speak! Speak!"

Dog: "Why, I hardly know what to say!"

\*\*\*

Perhaps the best automotive safety device would be foam rubber telephone poles.

\*\*\*

A husband staggered upstairs at 2 a.m. and his angry wife asked "What does the clock say?"

Slightly befuddled, he answered, "The clock shays 'tick-tock,' the pussy cat shays 'meow-meow, and the big bad wolf shays 'wurff-wurff-wurff.'"

\*\*\*

Things don't always work out the way we plan them. For example, after the proprietor of a certain firm put up a flock of "Do It Now" signs, the cashier took off with \$20,000; a bookkeeper eloped with the boss' secretary; three employes asked for a raise and the office boy held up a bank.

\*\*\*

A plumber, arriving six hours after a call, asked: "How are things, Mr. Smith?"

Came the reply, "Not too bad. While we were waiting, I taught my wife how to swim."

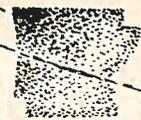
\*\*\*

A frustrated young mother hearing her children cry and looking over her dirty house, finally declared: "Sometimes I wish I'd loved and lost."

\*\*\*

More men than women go crazy - but who drives them crazy?

\*\*\*



**Arkansas State Highway Department**  
**P. O. Box 2261 Little Rock, Ark.**

RETURN POSTAGE GUARANTEED

### WHITE RIVER BRIDGE MOST BEAUTIFUL MEDIAN SPAN IN AMERICA



THE American Institute of Steel Construction has named the White River Bridge at Rogers, Ark. as the most beautiful bridge in the medium span (welded plate girders, bolted field connections) category in America.

Completed in August 1963, it was open to the public on August 17. It is located on State Highway 12.

When the U. S. Corps of Engineers built Beaver Dam it was necessary to construct the bridge, which is considerably higher in elevation than the old, obsolete one it replaced. The Corps built the bridge and it was paid for with federal funds, however, the

Highway Department was responsible for handling the contract and approving the plans. The contractor was Guy H. James Co. of Oklahoma City, and it was designed by Howard, Needles, Tammen and Bergendoff Consulting Engineers of Kansas City. It is 24 feet wide and has one span length of 105 feet, ten at 130 feet, and one at 105 feet for a total length of 1,510 feet. It cost \$850,000.

The photos submitted for competition by the consulting firm were made by Johnnie Gray, AHD staff photographer.

A plaque will be sent to Acting Director Ward Goodman in recognition of this achievement.