a-c scope

may-june, 1960

magazine of allis-chalmers people

My Job . . . moving mountains

COVER PHOTO

Looking every bit as rugged as the machinery he supervises, J. M. Tanner pauses for a photo next to the Allis-Chalmers TS-360 motor scraper operated by the Harbert Construction Company. For more about Harbert and the new TS-360, see the story on the facing page.

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A-C SCOPE

MAGAZINE OF ALLIS-CHALMERS PEOPLE—Arthur V. Swenson, Editor . . . James A. Brammer, Assistant Editor. Published by Information Services, Industrial and Community Relations Division, Allis-Chalmers Mfg. Co., Milwaukee 1, Wisconsin.

PHOTO CREDITS

Cover — James A. Brammer, West Allis Works; Pages 3-4-5—Brammer; Page 6—Harold Shrode, West Allis Works; Page 7 — Mike Durante, West Allis Works; Pages 8-9, center and top right — Durante; Page 10 — Clarence Hansen, West Allis Works; Pages 11-12 — Durante; Pages 13-14-15-16 — J. David Allen, York, Pa.

When People Talk, We Like to Listen . . .

You'll notice this issue is full of quotations, the opinions expressed by a wide variety of people at or about Allis-Chalmers. Opinions are important, and when people talk, we like to listen. Certainly we're mighty concerned with what a customer's operating people say about a new motor scraper . . . we're interested, too, with the reaction of an employe's wife to the unexpected visit of a foreign dignitary. Who knows, some day it might happen to another one of us.

We're also concerned with an Allis-Chalmers department which is determining what our customers will be needing 20 years from now, and making plans to meet those requirements. And we're equally concerned with the reactions of a group of investment analysts who toured some of the company's operations. Since these people discuss Allis-Chalmers stock with interested owners each day, it's important to know what they saw, what they heard and what they asked questions about.

And, of course, as "a magazine of Allis-Chalmers people," we're concerned with our fellow employes — and in this issue we visit some at York Works and learn what they do for recreation.

The opinions quoted here may be a pretty small sample of the total number of thoughts expressed by, at and about Allis-Chalmers in a single day. We couldn't begin to quote all of the thoughts expressed — on politics, sports, business and a thousand other subjects. But each of these thoughts and opinions is important — and each issue brings you new ones to help keep you informed about the business and its people.

The George Washington Medal

Maybe you have already heard that Allis-Chalmers and A-C Scope won an award for "an outstanding achievement in helping to bring about a better understanding of the American Way of Life in 1959." The award is a George Washington Honor Medal, one of several presented each year to publications like ours by the Freedoms Foundation at Valley Forge.

As a reader of A-C Scope, you might wonder what we did to merit this award. Actually, what we have tried to do is put into words the thoughts that each of us feel, deep down, but most of us seldom say:

This is a great country. We love our rights and freedoms, as employes and as private citizens. We try to shoulder the responsibilities that accompany those rights and freedoms. We fully realize that the American Way of Life — a combination of political, social and economic ingredients — has many faults, but we are firmly convinced it's the best way of life in the world today.

That's what A-C Scope has tried to say. And that's what each of us at Allis-Chalmers believes, isn't it?

Picking up the red, sandy clay of southern Alabama, a TS-360 motor scraper and HD-21 crawler tractor level a grade for Interstate Route 65.

Giant New TS 360's help contractor stay ahead of schedule

Moving mountains around the clock

When the first three all new TS-360 Motor Scrapers rolled off the assembly line at Cedar Rapids Works last fall, they were destined for Birmingham, Alabama. Leary-Owens Machinery Company, the Allis-Chalmers Construction Machinery dealer in Birmingham had ordered them to be used on a lease basis by Harbert Construction Corporation.

Harbert is building 6.4 miles of Interstate Route 65, the new four-lane limited access north-south route across Alabama. The job involves more than 2 million cubic yards of red, sandy clay that must be cut from the wooded, hilly country.

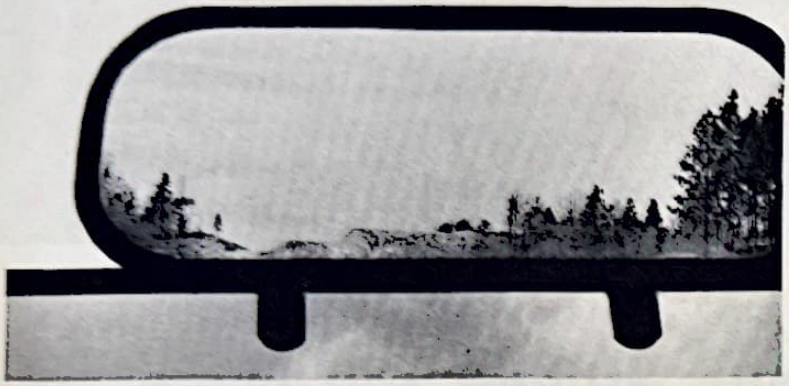
The big TS-360's moved into action during December, 1959. The machinery was new to the men of Harbert — the work was not, for they have been tackling the "tough" ones for several years. Harbert jobs have taken the crews through, around and over swamps, desert, mountains, rivers and jungle.

When the all-hydraulic motor scrapers were delivered on the job, a team headed by John Slaughter of Leary and Owens moved in to provide instruction when needed and to aid the Allis-Chalmers service representative, Al Hamman, in any problems that might arise. Harbert project personnel worked closely with Slaughter and Hamman. Their suggestions on minor changes, always necessary on new machinery, were valuable.

In any construction job, time is the important factor and men and machines must be geared to keep working around the clock. During January of this year

Massive hood and front grill of a machine capable of moving mountains — the all-new TS-360 designed and built at Cedar Rapids Works.

Here's how the Alabama terrain looks in the rear view mirror at the top of the TS-360 windshield . . .



John Slaughter, sales representative of Leary-Owens Machinery Company, was in charge of the sale and delivery of the TS-360 units to Harbert Construction Corp.

Moving mountains around the clock

Harbert was 2 percent ahead of schedule. Moving constantly forward, they had increased this margin by April.

Finding that the TS-360 was a rugged machine, Mr. John M. Harbert III, president of this fast-moving, aggressive company, decided to purchase them — well ahead of the 90-day lease deadline. For Leary-Owens and Allis-Chalmers this was a good indication of the general customer acceptance that is expected for the new titan of the Construction Machinery Division.

The men that operate the scrapers had various reactions when asked about roadability, handling, and general new features of the Cedar Rapids Works young giant.

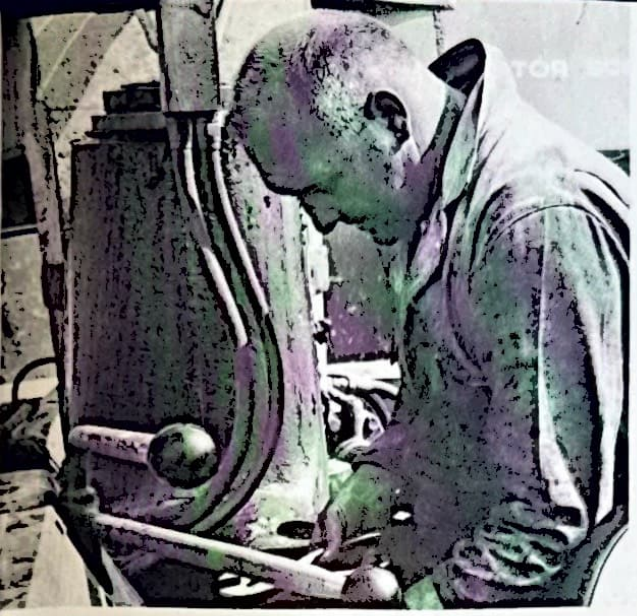
Listen to what Bill Martin had to say, "In the really heavy stuff, these seem to pull out better than the others. All in all, I'd say it's a pretty good machine."

Malcolm Smith, who had been up on a TS-360 for about four months thought "it was better riding and nicer to handle with the power steering and with the KON-TORK differential (this directs the amount of torque delivered to each driving wheel to match tractive conditions automatically)."

Another operator, Charles Stone, had this to say about the unit: "I can't put my finger on any one thing that makes it any better than any other. I will say, though, that this Allis-Chalmers machine is as good as the rest of them. I think that on the average A-C stuff (Stone was speaking of crawler tractors, graders, etc.) is real good. It does the job and can take the beating, too."

In this side view, the TS-360 operator seems to be dwarfed by the load of dirt his machine is carrying.

"This TS-360 pulls out of the heavy stuff real well . . ." says Bill Martin.



Al Hamman, Allis-Chalmers service man from West Allis Works, stays with the first three production model TS-360's to observe their performance and insure their continued smooth operation.

At Cedar Rapids Works, George Sheets (right), tractor assembly man, and William Peterson, tractor assembly inspector, roll a TS-360 off the assembly line. After the scraper bucket is attached, the unit will be ready for shipment to an Allis-Chalmers customer.

The engine that powers the new TS-360 through the roughest of going is built at the Harvey Works. This engine was developed in the recently completed engineering labs to withstand the rigors of heavy construction work.

As Harbert Construction Corporation continues to bid and get the tough jobs and as work progresses to completion on Interstate 65, the persian orange of the Allis-Chalmers TS-360 will be going all out to win its spurs on the jobs building for a better tomorrow.

"This unit is better riding and nicer to handle . . ." says Malcolm Smith.

"Allis-Chalmers equipment can hold its own with any of the others we've used . . ." says Charles W. Stone.

Chcemy Pokazac Panstwu Nasz Amerykanski Dom

(We want to show you our American home)

Polish Vice-Premier Pleased with A-C Polish Family

Mrs. John Plaksij received all of half an hour's notice.

Piotr Jaroszewicz, the vice premier of Poland, and his party were already on their way. During his two-week tour of America he wanted to visit the home of an average American workingman of Polish descent. Chance made John Plaksij of West Allis Works that man.

Mrs. Plaksij, admittedly "moved and nervous," quickly cleared away the breakfast dishes and tidied up the house. Outside, putting the finishing touches to a remodeling project, were a crew of bricklayers. This added to the nervousness of a hostess who wanted things "just so."

The woman who was about to entertain 16 guests — U. S. State department and Allis-Chalmers representatives among them — said, "If I had known about it an hour earlier I probably could have had the house in better condition. And there were so many things I could have shown them that I didn't have a chance to think about — my meat grinder, sewing machine, the children's typewriter, many others."

But the Polish visitors didn't miss much, and what they saw made quite an impression. "A reporter for a Warsaw newspaper wrote down every word," said Mrs. Plaksij.

John was on hand to help his wife guide the visitors through their home. Their two daughters were at school, but when the story of the visit appeared in a Milwaukee newspaper, they, too, were caught in a whirl of comments by their high school classmates.

The Polish delegation — which included wives of two officials — wanted to know everything about the Plaksijs and their home. The barrage of questions turned up the fact that Mrs. Plaksij came from the same district in Poland as the vice premier.

Mrs. Plaksij mentioned that her brother and his family still living in Poland would like to come to this country. The vice premier said he would see what he could do.

The big interest of the visitors was the type of expenditures carried by the family. "They asked questions about everything," said John. "My mortgage payments, how much we bought on credit, our furniture, our garage. I was happy to answer these questions to show him how good we have it here. I told him that America is a wonderful place and afforded the workingman many opportunities."

The vice premier replied, "I'm convinced that it does. I must say you did very well."

Plaksij has been an American citizen from birth, but was taken to Poland as a youngster due to illness in the family.

He was finally able to return to the United States 13 years ago. His wife and the children followed two years later and are studying to become citizens.

Surprising the delegation were the spacious kitchen, well filled with cabinets, a sparkling basement recreation room, complete with tiled floor, a basement shower where John can refresh himself after work, central heating and numerous other modern conveniences.

John said, "We have spent much money and some of our own time remodeling the home since we bought it. But I was able to tell the vice premier that one week's wages at Allis-Chalmers was enough to take care of all my house payments. That includes insurance and taxes.

"One visitor remarked that he saw things in my home that he would like to have in his own. In Poland, only a high government official would be able to own a home like mine."

Clearly, the Polish delegation had come to learn.

The tour of West Allis Works was headed by Jaroszewicz, the highest government official from behind the Iron Curtain ever to visit Milwaukee and the West Allis Works. (Vice President Nixon is his American counterpart.) Jaroszewicz and his party were on a two-week tour of the United States at the invitation of the United States State Department.

The Polish delegation, led by Vice Premier Piotr Jaroszewicz (dark coat), asked a good many questions about West Allis Works production of agricultural tractors and heavy electrical machinery. They were impressed with the skill of the workers and the clean, safe working conditions at the plant.

Although he is an American citizen, John Plaksij lived in Poland from the time he was a child until 1947. He and his wife, Bernice, felt they were showing common courtesy to a guest of the United States government when the Polish vice premier and his party visited their home.

"If I had only known about it earlier . . ."

"There are so many things I could have shown them . . ."

"They asked questions about everything . . ."

"In Poland, only a high government official could live like this . . ."

Their visit to Milwaukee lasted a day. Much of it was spent asking questions about A-C, a company which is well known even in Poland. "These men knew what information to seek," said J. D. Greensward, now president of Canadian Allis-Chalmers, one of the hosts.

Other A-C officials peppered with questions were J. L. Singleton, senior vice president, and P. F. Bauer, managing director, A-C International.

Poland, with a plentiful coal supply, depends heavily on steam turbine generators for electricity. Their largest produces about 105,000-kw. In the West Allis shops, they saw units which will produce up to 340,000-kw.

The Poles were impressed throughout the tour with the tooling, manufacturing techniques, skill of the workers, and plant cleanliness. They were intrigued with the big machines, their efficiency and adaptability.

Jaroszewicz summed it up, "Your friendliness and technological skill have overwhelmed us."

One of the features which impressed the wife of the Polish vice premier was Mrs. Plaksij's kitchen with its modern appliances. The visitors were impressed with the fact that an average American has enough of his paycheck left after taxes to buy a home and furnish it in this fashion.

Mrs. Plaksij and her daughters share John's pride in the basement recreation room, a typically American "do-it-yourself" project which reflects both the skill and labors of the father and the thrift and perseverance necessary to see the project through.

Demand for Power Will Double, Re-Double, So . . .

A-C Plans Now for Customers' Needs in 1980

The story of electric power has just begun. In 10 years, the demand for electricity will double. In 20 years, the demand will double again, or go to four times the requirements of 1960. That's a load in excess of a half-billion kilowatts.

Future chapters in the history of electric power generation will describe success in fusion power and in direct conversion with the fuel cell. Other chapters will tell of electric power through the direct conversion of solar heat, power from the winds, the tides, the ocean waves, and from the temperature difference in ocean currents. Magnetohydrodynamics will also contribute to serving the tremendous need.

Every chapter will detail an unrelenting search for ways to meet the demand of a world — eventually, it may be a universe — whose progress is tied to more and more electrical power.

A number of electric utility representatives, keeping abreast with the industry, recently met with Allis-Chalmers people to take a look at the "chapters-in-the-writing" at A-C.

These men, a group on advanced projects serving the Detroit Edison Company and a number of associated utilities, wanted to see and discuss new products and new concepts that Allis-Chalmers is planning for the years ahead.

Coordinating the program was T. G. A. Sillers, manager of the Power Systems Engineering department. This department was recently formed as a step in the Allis-Chalmers program to determine equipment types and ratings that will be required for the customer's expected future loads.

Sillers said, "Our job is to find out what the customer needs, then when our people have developed it, to let the customer know we have it. We are a coordinating force among our own product departments and a liaison between these departments and the customer.

"We will be prepared to provide system engineering and coordinated product combinations, including package power plants, to meet future requirements.

Sillers continued, "The meeting at West Allis with the Detroit group was, we believe, a success. These people were highly impressed with our reports . . . they were particularly impressed with our work in such areas as the fuel cell, C Stellarator and nuclear power. We are much further than they had expected."

The reports ran the gamut — from generation, to transmission, to distribution of electric power. "Similar programs

T. G. A. Sillers points out: "Our job is to find out what the customer needs, then when our people have developed it, to tell the customer we have it . . ."

"These people were highly impressed with our reports . . . in areas such as the fuel cell, C Stellarator and nuclear power."

Present and future electrical apparatus was inspected by the utility representatives who came to learn what Allis-Chalmers will be offering for sale 10 or 20 years in the future.

"You can count on many changes for the future . . . the steam turbine-generator will be the backbone of the power plant for many years . . ."

"New materials being developed will help in the solution to power problems . . . contribute to improved apparatus performance . . ."

". . . actually, the pattern for the future is already under way. Our shops are manufacturing equipment for some of these projects, right now."

The critical facility operated by Nuclear Power Department — Greendale is explained to the utility representatives by Robert Neuhold, physicist at Greendale laboratories.

are planned for West Allis and other locations so we can take our story before other utility groups," said Sillers.

"You can count on many changes for the future . . . the steam turbine-generator will still be the backbone of the power plant for many years to come . . . but these units will have greater efficiencies and will produce more power.

"Actually," Sillers said, "the pattern for the future is already underway. The Enrico Fermi atomic power installation at Detroit is an example. Our shops, right now, are manufacturing equipment for this project. The Argonne atomic power plant and the Northern States Power project are two others our employes are familiar with.

"Forms of static power generation will be developed to supplement the steam turbine, and, eventually, to provide power for base system load.

"But let's summarize, for the minute, a few of the prophecies our people made for the next 10 or 20 years," Sillers continued. "In substations, the trend is toward larger units at higher voltages. Better coordination with automatic load control, reduced noise levels, better interrupting devices, less maintenance and easier installation with less field assembly will be required.

"We are projecting a substation which will have involved in it not only the transformer and circuit interrupting devices, but also power factor correction, voltage regulation equipment and automatic load distribution.

"Today, in the electrical power field, nearly all relaying, instrumentation and metering is accomplished by electromechanical devices. Tomorrow, this control and instrumentation will be electronic. The limitations of mechanical devices will be removed. Mechanical maintenance will be eliminated.

"New materials being developed will help in the solution to the power problems. Higher temperature steam turbine blading, lower loss core steel will contribute to improved apparatus performance."

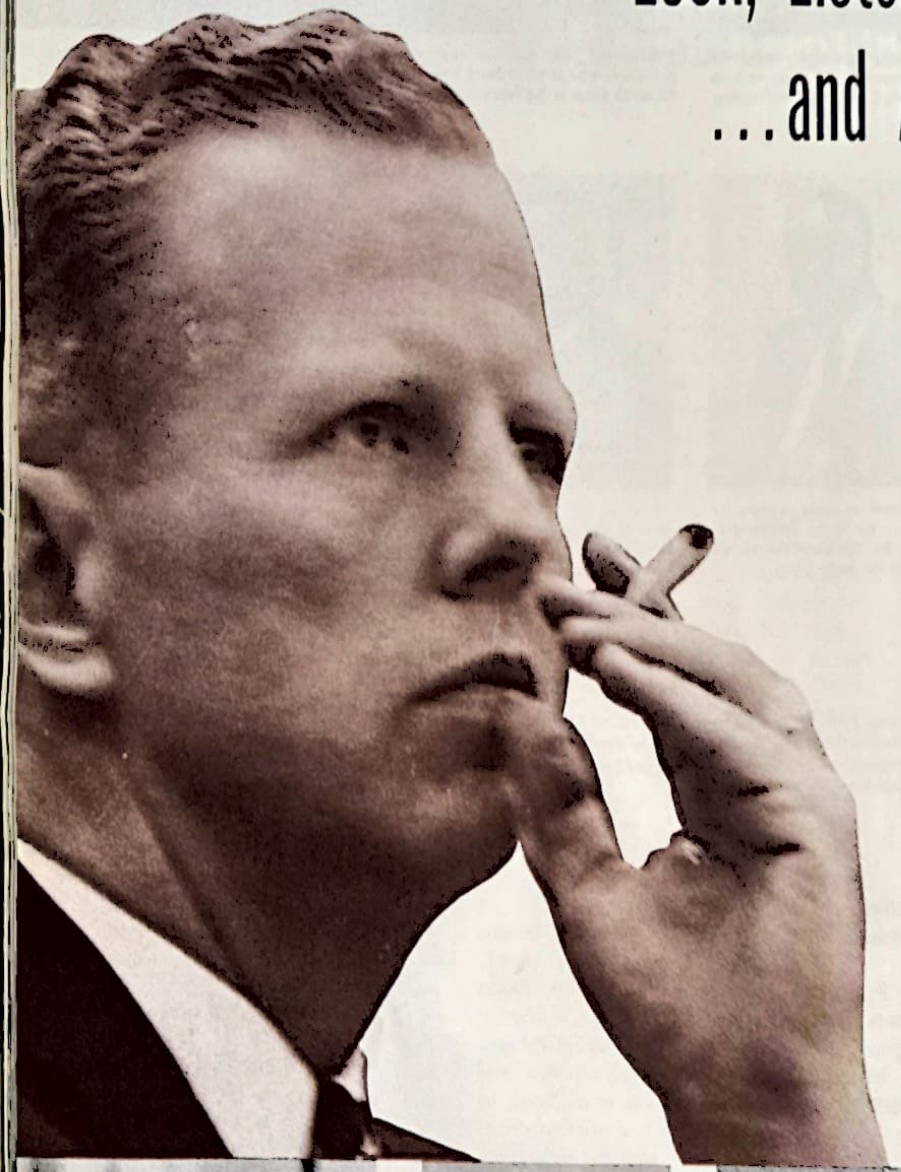
Sillers added, "In general, we tried to outline our conception of these future power requirements.

"The caliber of the engineering people sent by the utilities demonstrates their equal concern for the years ahead.

"The conference both emphasized the challenge we face in developing new equipment for power generation, transmission and distribution, and demonstrated a comprehensive program to meet this challenge."

INVESTMENT ANALYSTS

Look, Listen ...and Ask Questions

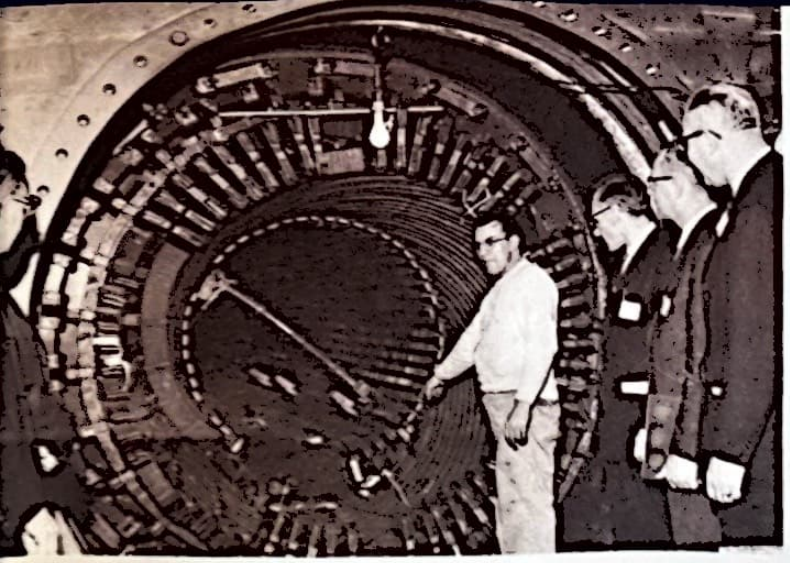


Allis-Chalmers made a good start in the first three months of 1960, despite the fact that the first quarter was not up to expectations in total sales. That was the picture presented by President R. S. Stevenson to The Investment Analyst Society of Chicago, a group of more than 100 Milwaukee and Chicago area security analysts who toured West Allis Works in April.

The group visited Greendale Laboratories and saw manufacturing and research facilities at West Allis before hearing reports from company officers and taking part in a question-and-answer session.

In describing the outlook for the year, Stevenson pointed out that an unknown amount of business had been lost this year due to the effects of bad weather on agricultural and construction machinery sales. The generally poor weather across the United States delayed construction work and caused farmers to hold off on equipment purchases. The result was lowered manufacturing schedules and reduced employment at plants producing this equipment.

In other market areas served by the company, sales were up to expectations.



Information about the company's products came from many A-C people, who described some of the operations involved in making Industries Group products such as this large generator.

Tour of Tractor manufacturing shops included this demonstration of the Model D-17 farm tractor, largest wheel-type unit in the A-C line. Operator is Gordon Seitz, foreman, final assembly.

As a result, the company had sales and other income amounting to $127 million for the first quarter, as compared with $120 million in 1958. (Because of the strikes at several plants in 1959, last year is not suitable for comparison on first quarter sales.)

Earnings for the first quarter of 1960 were $2.6 million, or about two cents for each dollar of sales. This compares with the 1958 figures of $2.3 million for the same period.

Stevenson told the investment analysts that the company traditionally does not estimate earnings and sales in a current year. However, he pointed out, general estimates of prospects were made in December and again in April. So far as the remainder of 1960 is concerned, Stevenson said, our sales should come fairly close to original estimates, but there is little likelihood of regaining the sales lost due to bad weather so far this year.

Executive vice president W. G. Scholl, Senior vice presidents J. L. Singleton and Boyd S. Oberlink, and Comptroller T. D. Lyons shared the platform with the company president to round out the picture of company operations and financial position for the investment group.

Tours for the visitors included inspection of the nuclear facilities at Greendale Laboratories, manufacturing operations of both Tractor and Industries Groups and central research laboratories. One of the highlights was a demonstration of the fuel cell tractor introduced by the company as a research experiment last fall.

After seeing some of the company's operations, after hearing about current and future research, development, capital expenditures and other programs, the investment analysts had their chance to ask questions. Here are some of them, and the answers they received:

After touring manufacturing and research facilities, the investment analysts heard President R. S. Stevenson discuss current business conditions.

Executive Vice President W. G. Scholl described the company's manufacturing and marketing operations for the investment analyst group.

Slides depicting future growth of Industries Group markets were used in the presentation to the group by J. L. Singleton, senior vice president.

Q. Since your industrial and electrical sales seemed to be on target for the first quarter, about how much were you off from the total you expected?

We were about 15 percent short in total volume.

Q. Your profit margin seems rather modest . . . what plans do you have to improve it?

Our profits have shown improvement the past two years. We expect to continue in this direction by tooling out costs and improving our competitive position.

Q. What are some of your capital expenditures planned for 1960?

Three major programs—foundry modernization at West Allis; a new engine plant at Harvey Works and a large addition at Independence Works, plus other investment in tools and facilities which will help reduce costs and improve our profit picture.

Q. Do you feel the size of some of your divisions is a disadvantage, compared with your competitors?

We'd like to be biggest, but size can fool you. Once you have enough business to compete, size doesn't have a great advantage. We are large enough to do some big things and keep our costs from going higher than those of our competitors.

Q. Are your costs higher than those of your competitors?

Not basically. Let me give you an example . . . A large steam turbine may have hundreds of finely-machined blades. At one time, it might have taken us 12 hours to produce one large blade. Now, with better machine tools, we can produce four blades in 24 hours. Generally speaking, I believe we're over the hurdle of small competition.

Boyd S. Oberlink, senior vice president, talked about the Tractor Group's markets in terms of current conditions and future growth.

Comptroller T. D. Lyons presented slides, other information on Allis-Chalmers plant expansion and modernization plans.

Investment Analysts

Q. In view of current fuel costs, do you believe atomic energy will ever get off the ground as a source of electric power?

We think so. After 1962, our boiling water reactor plant will compete with fossil fuel plants in some sections of the country. But there's a difference of four times in the cost of fuel for a conventional power plant in New England as compared with Texas.

Q. In addition to atomic energy and fuel cells, are you looking into other future sources of power?

Yes. For example, in the field of magnetohydrodynamics, we expect to have a demonstration model operating within a year.

Q. Is competition as great in heavy electrical equipment as it was, say, 10 years ago?

Every bit as strong. We'll always have to "sell engineering or shave pennies." But almost every new turbine-generator or other large electric apparatus offers some possibilities for engineering advances.

Q. You said 4000 Allis-Chalmers people are engaged in research, development and engineering work . . . what is the total cost of these programs?

About five percent of our total sales budget.

Q. Do you bring in foreign-made components in your manufacturing operations?

No. Our foreign competition, so far, has been in heavy electrical equipment, especially in sales to the federal government and governmental agencies. It is an impossible competitive situation, because of the difference in basic wage levels. However, we are not importing components to build into our domestic machinery. . . . we'll have to take a look at it.

Q. Is this competition pretty tough?

Yes, but we were first with the close-couple, cross compound steam turbine; we were first with effective hydrogen cooling of large generators; you've seen a model of a power plant design that can save our customer $10 per kilowatt of installed power . . . we feel we're staying ahead of competition.

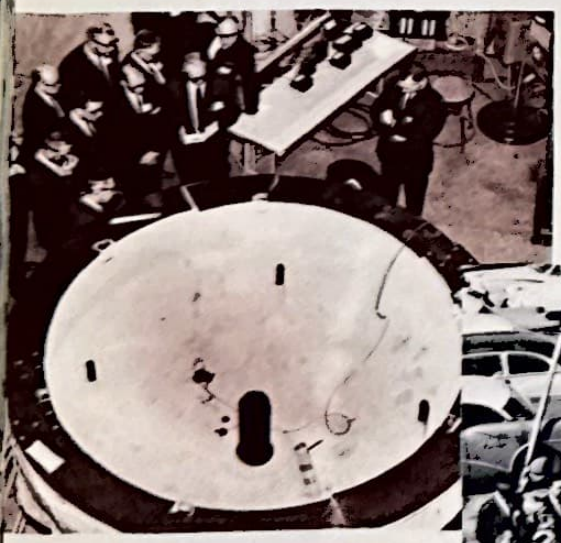
Q. How does the Allis-Chalmers fuel cell compare with others' experiments in this area?

We can't compare . . . we can only tell you what our fuel cell will do.

Q. If it were mass-produced, would the fuel cell's cost be competitive for something like a farm tractor?

We don't know yet. We know it can be produced relatively cheaply and we're making some headway in reducing cost, size and weight of these cells. . . . we're sure going to give it a try.

Experimental fuel cell setup in central research laboratories was an object of interest in the investment analysts' tour of Allis-Chalmers facilities.



Lower half of pressure vessel being assembled at Nuclear Power Department — Greendale helps give the investment analysts an idea of the range of work done in A-C's laboratories.

One of the highlights of the investment analysts' tour of Allis-Chalmers facilities was an outdoor demonstration of the experimental fuel cell tractor. Dr. H. K. Ihrig (in dark suit near tractor driver), vice president, Research division, described the vehicle.

"This is the kind of rig you'll like," says Harry Leezer (white shirt) to the George Bostick family, who are getting a similar boat. Both men are assemblers and have been at York Works 10 years. Susquehanna river is only 12 miles away.

Striking a dramatic pose on the archery range are Mr. and Mrs. Ed Myers and their children, Linda, age 12; Mike, 11; Tom, 9, and Edward, 6.

RECREATION:

Keeping it in the Family

York Employes Enjoy Variety of Leisure Activities

Camping gear is packed, the horse is saddled, the runabout and outboard motor are on the trailer, the music lesson awaits the untrained, greasepaint is applied, a coat of varnish is needed.

Sounds like quite a recreation program, doesn't it? But these are just some of the activities that York Works people engage in during their leisure time.

The influence of sports and recreation touches almost every citizen today whether he be a participant or a spectator. A-C people at York certainly are no different.

People not only plan for various recreational activities, but also change their ways of living and buy what they can use in a number of ways — making their dollars do more for them now than in past years.

Take Ed Myers for example. A sales estimator in the Estimating Department, Ed's a lanky, crewcut fellow who's converted his family transportation into an excursion vehicle.

"Sure, I can see people on the street give us a double take when we drive around town in our Microbus," says Ed, "but it gives me plenty of room for our camping and archery gear, my wife and four youngsters."

Camping is gaining in popularity among York Works families and the Rodney Bonds are no exception. Cheryl, 16, and Phillip, 8, have helped their parents set up camp in several state and national parks. Bond, plant engineer, has been with Allis-Chalmers 21 years.

"Why are we 'bugs' on archery and camping?" Ed asks, "Well, it's something the whole family can do together — get away from the city and relax with nature," according to Ed. "It gives us a greater appreciation of each other, and archery provides good, clean competition for our three boys and a girl."

And other York people express the same sentiments — that of doing things as a family.

National authorities have recognized the helpfulness of wholesome recreational activities as necessary diversion from our everyday habits and tasks of earning a living. Judging from the wide variety of activities engaged in by Americans, York people, and Allis-Chalmers people in general, agree with that philosophy.

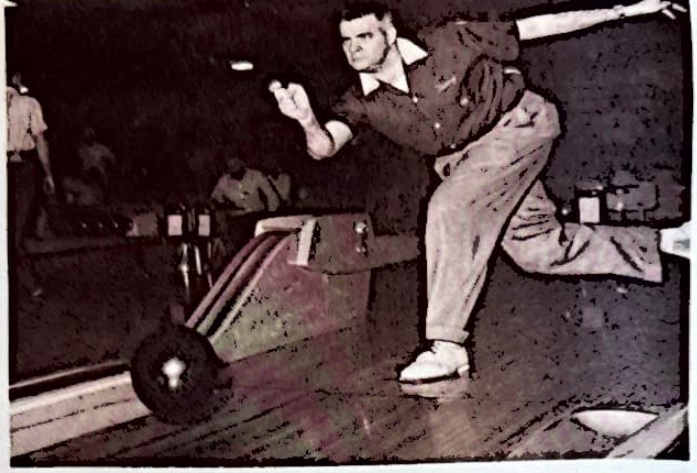
What's caused this emphasis on recreation?

More time for ourselves . . . wide range of sporting goods . . . more parks and resorts . . . better highways . . . more automobiles . . . less costly family pursuits . . .

It's obvious that all of these, and other factors, contribute their share, but the biggest influence might be a paraphrase of the old saw, "Money is the root of all pleasure."

Today, people have more disposable

Trout abound in the York area, as the Kenneth Guise family knows. Ken, a weld shop helper, has 3½ years at York Works. He often fishes with his wife and daughters, Carol, 9, and Judy, 7. They recently bought a station wagon for family and fishing gear.



Although Harry Becker is chief of police for the boroughs of Jacobus and Loganville, he finds time for weekly bowling in the York Works league. On the job, he's a production forecaster in the Production Control department.

RECREATION

income than before, largely because of the steady growth in U. S. income and in consumer buying. Since 1949, just 11 years ago, the amount of income left after we have paid off our fixed and essential expenses has nearly doubled, climbing from $65 billion a year to nearly $125 billion.

While we Americans allocate a good portion of this "do-what-you-want-with" money to cultural, religious, educational and philanthropic projects, we also find pleasure in spending for recreation.

Sometimes recreation takes on the stature of more than fun — such as in the case of Harold Strayer, a field service representative in the Valve Department.

Tired of traveling to over-crowded state park camping sites, Harold has purchased a 160 acre farm seven miles from the plant.

There in the rolling hills, he can hunt deer, quail, geese, rabbit, ducks and fish for pound-and-a-half bass in the stream that cuts through his land.

While they don't reside at the farm, Harold and his father, Kurvin Strayer, Sr., a 33-year master machinist who retired in 1957 from the S. Morgan Smith Company, spend most of their time getting the farm in shape for corn, hay, and grazing their six riding horses.

The brawny Harold, who looks like he could pull a plow by himself, finds time, too, to ride over his land with his daughter, 13-year old Lynn. With a twinkle in his eyes he tells you that's one of the biggest reasons he has the farm.

In the future he'll live on the farm — just a threshold away from his recreation.

Another employe playing a big role in the recreational pursuits of his family is Bill Lehr, a welder at Plant 2. His three boys at home give him plenty of opportunity to "stay young" with boating, hunting and drag racing. "We built this thing from scratch about three years ago," says Bill pointing at the windowless coupe which obviously is not the family auto. Bill and his portable welder put the machine together from a collection of parts.

"The Olds Rocket engine pushes it to 100 miles in ¼ of a mile. That's pretty good," boasts Bill, "but we're not satisfied — with improved carburetion we can do even better."

A nine-year veteran with the company, Bill helped others in the hot rod club fashion their vehicles. Between Mel, his 24-year old son, now with the airborne infantry in Kentucky, and Carl, 22, at

A chorus of "Old King Cole" gathers the Marvin Arnold family around the piano. Sandra, 3, and her mother play the tune while one-year-old Kent watches from the playpen. Arnold, a layout man, is a nine-year veteran who completed the York Works apprentice training course.

Music provides another recreational outlet, such as this baritone lesson for Steve Hartman, 10, who plays in a junior high school band. His father, Don (dark shirt), is a tool designer with 19 years of service at York.

"A night at the York Little Theatre" may mean as actors or as play-goers for Clair Rusher, his wife, Elva, and daughter, Indy. Rusher is a mechanical maintenance foreman with 17 years at York Works. In the ticket window is Suzanne Deitz, editor of the works' TURBINE TOPICS, who also takes part in the Little Theatre.

home, they have won 10 trophies in state-wide "drags".

Golf has made tremendous strides in popularity during recent years, and one who can attest to this is Ed Siple, a stock order man at the Works.

"I play golf every chance I get — it gives me and my boy a chance to do something we really enjoy," says Ed, who has been at the Works 14 years. With a picturesque view of the fairways from his living room, it's no wonder Ed is on the course every day in the summer. His son, Larry, 17, has played only two years, but is an example of proper training and practice. He shoots generally in the 80's and dips into the 70's occasionally. This year he's a member of the West York Area high school golf team.

Two years ago Ed captained the championship team in the York Country Industrial League.

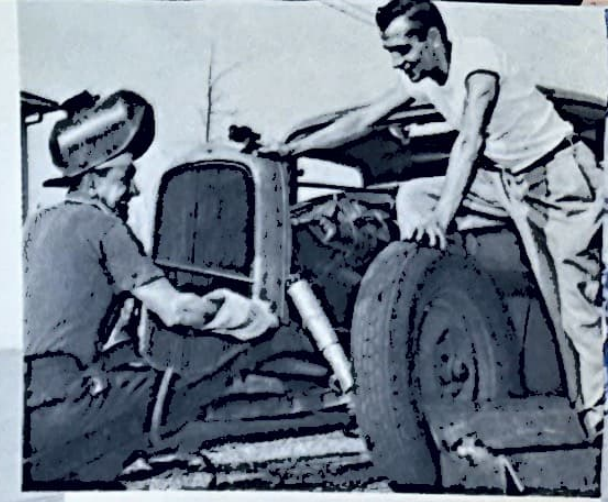
When it comes to recreation Glenn Bowman doesn't have to leave home to get his "kicks" — he goes to his basement and works with wood.

An accomplished craftsman, the youthful Glenn built all his knotty pine kitchen cabinets, his kitchen table and a complete recreation room area in his new home.

"I find a great deal of challenge in woodworking — building things from scratch," says the Valve Department senior application engineer.

"And in addition to the money saving factor — there's a matter of pride in the finished product."

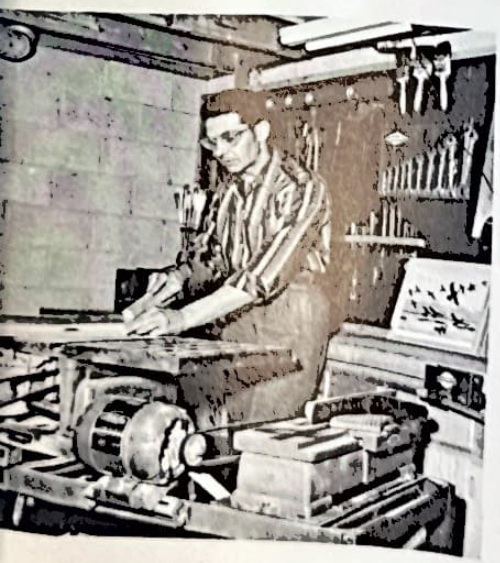
Yes, York Works people — like other A-C people — have recreation time and dollars which they spend in many different ways.



Welder Bill Lehr gets real enjoyment from helping his son, Carl, and his friends build drag racers.

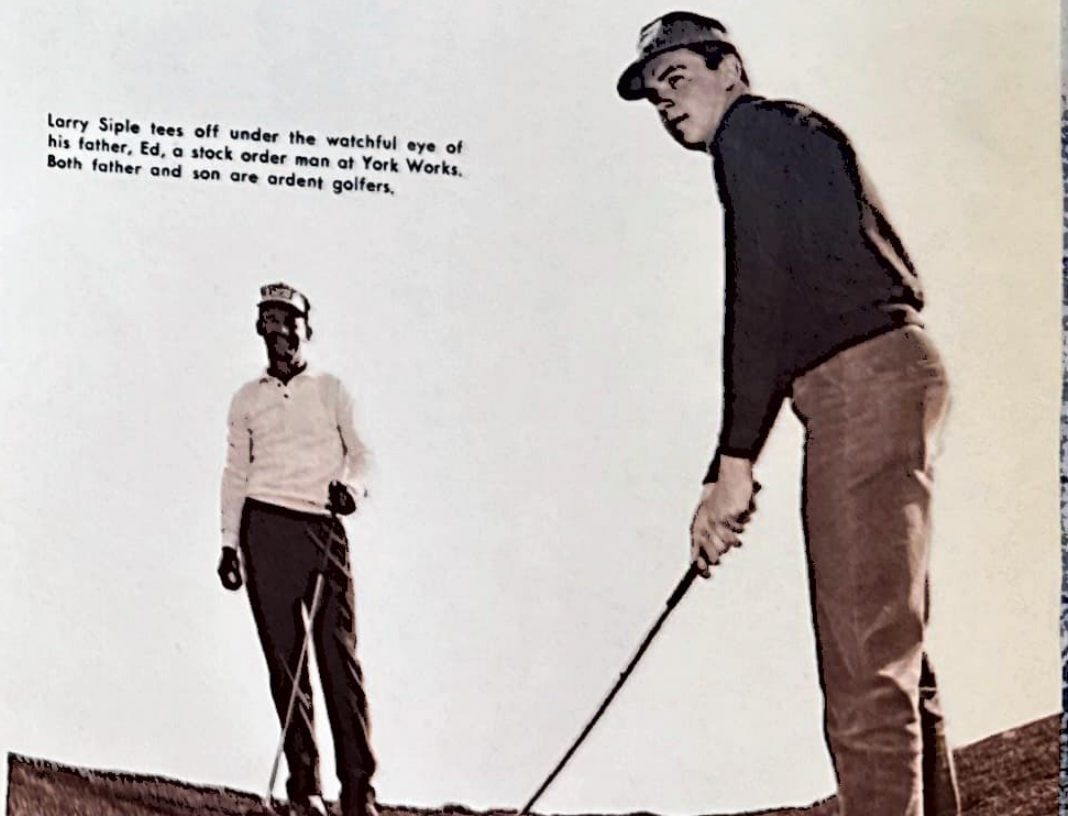
"Easy does it," as Bill Lehr and his 15-year-old son, Ronnie, put the outboard motor on their boat. The Susquehanna is a favorite spot for family boating and water skiing fun.

Bill Lehr's sons, Ronnie and Terry, have a running battle for the family table tennis championship.



Glenn Bowman is typical of the "do-it-yourself" group at York Works. He has built kitchen cabinets and a recreation room for his home. Picture frames at right are samples of his handiwork.

Larry Siple tees off under the watchful eye of his father, Ed, a stock order man at York Works. Both father and son are ardent golfers.



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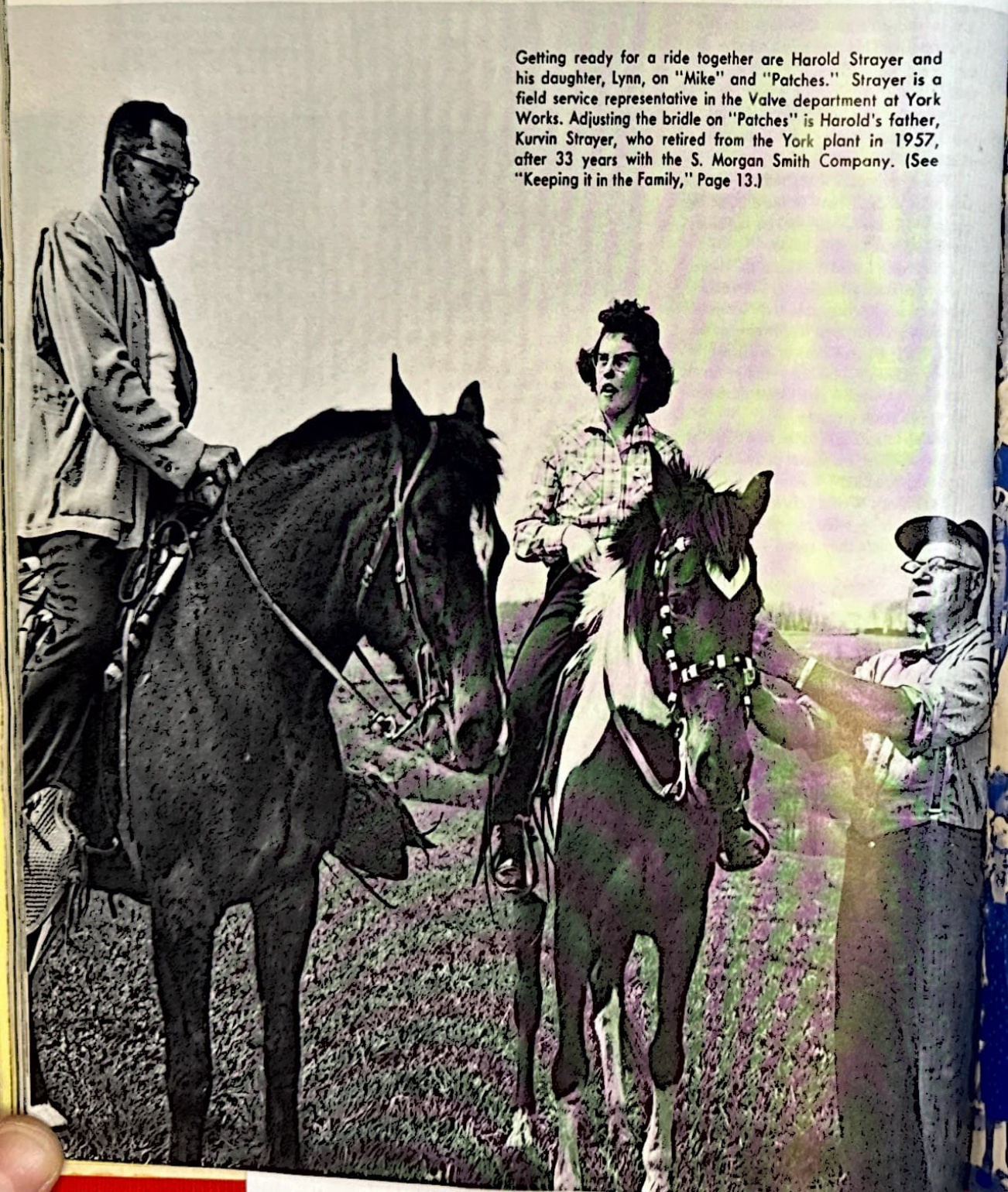

Getting ready for a ride together are Harold Strayer and his daughter, Lynn, on "Mike" and "Patches." Strayer is a field service representative in the Valve department at York Works. Adjusting the bridle on "Patches" is Harold's father, Kurvin Strayer, who retired from the York plant in 1957, after 33 years with the S. Morgan Smith Company. (See "Keeping it in the Family," Page 13.)