Bus Builders
Shift Business,
Durant Beams

When the Excel Body corporation moved from Durant's downtown district into a nearby airplane hangar, everybody in town heaved a sigh of relief.

The Excel firm, which makes school bus bodies, needed more room for their operations. M. C. Murrell of Oklahoma City, new owner of the firm, took his problems to the Durant city council.

The city council suggested that Excel move into the 200 by 100-foot main hangar at Eaker field. However, the hangar couldn't be used until an auxiliary hangar was financed and built with the approval of the civil aeronautics authority.

The Durant chamber of commerce went to work, sponsored the necessary term lease from the city.

Excel now has shifted to its new quarters, 40,000 square feet of floor space and ample outside storage space, and is preparing to fill orders for 200 school buses. The firm is renting the hangar on long-term lease from the city.

Excel's new owner also is president of Superior Coach Sales Co., Oklahoma City, distributor for Superior buses in three states.

The Durant plant will continue to fill the 200 school bus orders, Murrell said, but the plant may go into commercial stamping or construction of delivery truck bodies.

OKLAHOMA, COLORADO TRADE

Oklahoma and Colorado are doing some trading for the benefit of Colorado anglers and Oklahoma nimrods.

Oklahoma will trade channel catfish for 21 pronghorn antelope which were scheduled to arrive in Guymon. The terms of the agreement call for 10,000 fry-size channel cats or 5,000 fingerlings for each antelope. The fish will go in Colorado streams and lakes.

Our Cover

Snow finally came in central Oklahoma to the delight of small children and photographers. Planning board photographer Kazimir Petrukas took our cover picture at Lincoln Park, Oklahoma City.

Western-Style Garment Plant
Moves Operations To Poteau

After 47 years in Oklahoma City, the Hamlin Manufacturing Co. moved in February to Poteau where it will continue to turn out Okie Dokie garments.

The firm, now called the Hamlin Garment Co., was scheduled to move into a new building, within two blocks of Poteau's downtown, which the city built and leased to C. C. Hamlin.

Hamlin makes western style clothes, mostly for children, sold in Florida, Alabama, Georgia, California, Colorado, Kansas, Oklahoma and several other states.

The garments are sold under Hamlin's patented brand name "Okie Dokie."

Service Planned
For State Show

Gov. Johnston Murray will dedicate the new agriculture education building and the FFA-AH dormitory at the formal opening of the Made-in-Oklahoma Manufacturers' exposition, said Morton Harrison, chairman of the Oklahoma planning and resources board.

The show, scheduled April 14-18 at the Tulsa state fairgrounds, will be the first use of the buildings as a unit and will feature products manufactured in Oklahoma as well as services such as transportation and communication.

Committees and their members are:


State Manufacturers committee: George G. Pollock, John Black; Leo Mackinlay, Kyle Dunham, Harris Lunn, all of Oklahoma City; C. W. Herreman, Shawn, R. P. Hovey, Watonga; H. R. David, Sand Springs; L. E. Emery, Lindsay; J. W. Hart, Fred Muthsman, both of Tulsa; G. B. Hurnow, Tulsa and Walter Head, Miami.

Publicity committee: William R. Way, Frank Lane, Victor Hataway, Ben Jaster and Dale Rogers, all of Tulsa; E. C. Garry and Edgar E. Bell, both of Oklahoma City; Gerald Curtin, Watonga; James W. Nanot, Purcell; Kenneth A. Barnes, Durant and Dave Johnson, Neva.

Classroom contract and exhibition committee: K. S. Adams, Bokoshe; L. F. Smith, B. R. Allen, Calhoun; M. P. Reath, B. B. Martin, Paris, Texas; Ralph Pollock, Paul F. Willcox, Shawnee; Mrs. Ann Decker, Chandler; Gilbert T. Lewis, Oklahoma City; Don A. Catron, Bender Army; Jack Longmire, Guthrie; C. R. Asplin, Bokoshe and Ed Wilcox, Miami.

Eight new grain elevators are scheduled to be built in Custer county with a combined storage of more than 1,850,000 bushels.

Mother Designs
Doll Furniture

Mrs. Ed Fisher of Oklahoma City has become a furniture designer—tiny furniture cut from heavy pieces of white paper.

Mrs. Fisher's five-year-old daughter Marcia wanted doll furniture that she couldn't find in stores, so Mrs. Fisher began making it for her. Now she's selling a child's cutout book of furniture, "Fashion House," in several city grocery and variety stores for 29 cents.

The furniture is made by cutting, folding and pasting down tabs from the 12-page 8 1/2 by 11-inch book. The book includes a complete living and dining room and part of a kitchen. All pieces are scaled to pieces in the Fisher home.

Mrs. Fisher said she plans two more books providing furniture for three bedroom, bathroom and other kitchen pieces.
Huge Park Program Ready To Roll

One of the largest park development programs in the history of Oklahoma was set in motion by the Oklahoma planning and resources board with the approval of a $5,500,000 bond issue.

The self-liquidating bonds will be used for the building of four lodges and 210 cabin units at three state parks—Texoma, Quartz and Sequoyah.

Largest of the lodges will be the 106-room lodge at Lake Texoma, near Durant. Seventy cabin units also will be built at the lake—30 two-bedroom cabins and 20 duplex cabins. The five duplex cabins already at the lake will make a total of 80 rental units.

Sequoyah lodge, near Wagoner, will be 106 rooms and the Carver Memorial lodge for Negroes, also at Sequoyah park, will be 24 rooms. Two duplex cabins and six quadruple cabins will be built around Carver lodge, making a total of 28 rental units. The Sequoyah lodge area will have 6 quadruple cabins, 13 duplex and a fisherman's lodge of 20 rooms, total 70 units.

Quartz lodge, near Mangum, will contain 58 rooms and have 42 new rental units—10 single cabins, 4 duplex and 6 quadruples. The 10 cabins already at the park will make 52 rental units.

The bond issue will be divided into $2,000,000 for Texoma construction, $1,300,000 for Quartz and $2,200,000 for the two lodges at Sequoyah.

Lodge areas at each park will include a swimming pool, dining facilities, air-conditioning and heating, a recreation room, photo shop, souvenir shop, playground equipment and badminton, shuffleboard and tennis courts.

The lodge areas at each park have been leased to concessionaires. Texoma will be managed by Soonerland Resorts company headed by Glenn "T-Bone" McDonald and Iris Nichols, both of Oklahoma City. Both lodges at Sequoyah will be operated by the Oklahoma Resort Management company headed by Clare Clark, Eureka Springs, Ark.

Southwest Resorts, Inc., headed by James R. Shaffer, Dallas, took the Quartz lease. The firm already holds the room concession at Lake Murray state park.

Southwest Steel Will Change Line

The Southwest Steel corporation of Tulsa now will specialize in pressure vessels for refineries, Kelly F. McCann, new president, said.

It also will manufacture aluminum and copper alloy pressure vessels for the chemical industry.

The three-year-old firm recently was purchased by McCann and Jasper P. Cox from M. J. McNulty Jr. The company manufactured and fabricated oil field equipment and supplies.

The new owners formerly were associated with the Warner Lewis company of Tulsa.

Greenleaf Is 13th State Park

Oklahoma lists 13 state parks with the recent acquisition of Greenleaf Lake near Muskogee—sixth park added to the state system within the past five years.

At the request of Gov. Johnston Murray, the Army engineers granted the state a long-term lease on the 2,200-acre site. The area formerly was leased by the Izask Walton league.

The park includes the 1,080-acre lake, 1,120 acres surrounding the lake, a recreation lodge, 13 cabins, 60 boat stalls, boat dock, concession building and outdoor swimming pool.

The scenic lake is located on a 34,000-acre reserve under control of the Army engineers.

Morton Harrison, chairman of the state planning and resources board, said the next legislature will be asked to appropriate funds to convert the park into a summer camp for youngsters.

The formal lease has not yet been signed, but the planning board has accepted right of entry to the park granted by the Army engineers.

OU Professors Edit New Book

Two psychology professors at the University of Oklahoma, Norman, have produced a new book on group relations already adopted by several universities for use in advanced courses.

They are Dr. Muzafer Sherif and Dr. M. O. Wilson, psychology department chairman. The book, "Group Relations at the Crossroads," consists of chapters written by authorities in group relations studies and read by them at a psychology conference at Norman in 1952.
Egg-A-Day Is Hens' Goal

Even the chickens have efficiency goals at the "egg factory" of Carl Holter and associates, Enid.

Each hen is expected to lay at least seven eggs every fourteen days. If she doesn't make it, she has another chance. If she doesn't make it the second time, she's fired.

The 15-acre egg factory is, as far as Holter knows, the only one of its kind in northwest Oklahoma, although there are several over the nation. At present Holter has more than 1,000 pullets which he raised himself from day-old chicks.

The pullets are lodged in individual wire cages equipped with feeding racks and running water. When an egg is laid, it rolls from the cage to a collecting rack in front.

Lights go on in the building at 3 a.m. and lights out is at 5 p.m. so the hens have a 14-hour working day. Holter expects his White Leghorns to begin laying at 18 weeks.

The Enid man plans construction of another housing unit, a laying unit, a unit to process fertilizer and an office and work room within the next three months. He hopes to have 6,000 hens in production by July 1 with an ultimate goal of 25,000 producing hens.

Holter now is assisted by Eldon G. Hutton but he expects to employ between 15 and 20 persons when the factory is in full operation.

Blazes Quenched During Past Year

Forest fires did considerably less damage in Oklahoma during 1953 than during 1952 according to figures gathered by Don Staufler, head of the forestry division of the planning and resources board.

The forestry division suppressed 900 fires in 1952 compared to 731 in 1953. Acres burned totaled 92,352 in 1952 compared to 33,959 in 1953. Oklahoma has 3,143,000 acres of forest land, Staufler said.

CITY TO HAVE TOWER

Bartlesville's newest building, the 18-foot Price tower, is under construction. The building, designed by Frank Lloyd Wright, will be owned and partially occupied by the H. C. Price Co., pipeline construction firm.

Oklahoma City Aircraft Plant Booms To Big Business Class

Aero Commanders, twin-engine monoplanes designed for use by business executives, are rolling out of a factory northwest of Oklahoma City at the rate of two per week.

The Aero Design and Engineering company started in 1944 as a "back yard" project for a group of friends. It has grown to a multi-million dollar business that is running stiff competition for established aircraft companies.

The number of employees has increased from 14 designers and engineers to 600 technicians.

The need of a light, easy-to-operate plane germinated the idea of the Aero project, and a small group of engineers incorporated to work on the aircraft in Culver City, Calif.

The first prototype airplane was tested in 1948. The CAA issued the certificate in 1950, and the firm moved to Oklahoma City. A vacant hangar was converted into a factory and production began. Since then, the plant has become unique in that it designs and builds all the airplane's tooling, both detail and assembly type.

Aero Commanders are used all over the United States as well as in Brazil, Japan, the Philippine Islands, Dominican Republic, Central America, Mexico and Canada.

The airplane is a high-wing, all-metal monoplane with individual seats for five to seven persons, equipped with tricycle landing gear and powered by two-air-cooled engines driving constant speed propellers.

The craft, which sells for $66,000, will cruise at an average of 190 miles per hour for 1,100 miles non-stop. Its four tanks and a sump carry 145 gallons of fuel, and consumption runs up to 30 gallons per hour although it averages less.

72 Inventions Patented By Antlers Man

Officials in the U. S. patent office are well acquainted with an Antlers resident, Johnny Hicks—he has 72 inventions listed with them.

Hicks also owns nine companies over the country which make items for various businesses. He has been purchased by the ICT Discount company of Dallas.

ICT is a division of Insurance Companies of Texas, operated by Ben Jack Cage, nationally known as an industrialist.

B. E. Sanders, former owner, will continue to operate the firm. Sanders first manufactured a line of beauty shop machines and supplies and later branched into aircraft parts.

Sanders Company Bought by Texans

The Sanders Manufacturing company of Tulsa, makers of parts for aircraft, has been purchased by the ICT Discount company of Dallas.

ICT is a division of Insurance Companies of Texas, operated by Ben Jack Cage, nationally known as an industrialist.

B. E. Sanders, former owner, will continue to operate the firm. Sanders first manufactured a line of beauty shop machines and supplies and later branched into aircraft parts.

Sandans Manufacturing company of Tulsa, makers of parts for aircraft, has been purchased by the ICT Discount company of Dallas.

ICT is a division of Insurance Companies of Texas, operated by Ben Jack Cage, nationally known as an industrialist.

B. E. Sanders, former owner, will continue to operate the firm. Sanders first manufactured a line of beauty shop machines and supplies and later branched into aircraft parts.

72 Inventions Patented By Antlers Man

Officials in the U. S. patent office are well acquainted with an Antlers resident, Johnny Hicks—he has 72 inventions listed with them.

Hicks also owns nine companies over the country which make items for various businesses. He has been purchased by the ICT Discount company of Dallas.

ICT is a division of Insurance Companies of Texas, operated by Ben Jack Cage, nationally known as an industrialist.

B. E. Sanders, former owner, will continue to operate the firm. Sanders first manufactured a line of beauty shop machines and supplies and later branched into aircraft parts.

Sanders Company Bought by Texans

The Sanders Manufacturing company of Tulsa, makers of parts for aircraft, has been purchased by the ICT Discount company of Dallas.

ICT is a division of Insurance Companies of Texas, operated by Ben Jack Cage, nationally known as an industrialist.

B. E. Sanders, former owner, will continue to operate the firm. Sanders first manufactured a line of beauty shop machines and supplies and later branched into aircraft parts.

meetings of manufacturers of electrical lighting units.

The inventor gets many of his ideas while traveling around the country—about 60,000 miles per year by plane and car.

One of his newer gadgets was conceived when his car was burglarized of several valuable pieces of equipment. The negligent Hick immediately designed a burglar alarm, guaranteed to give a burglar a case of the jitters. When a person begins to tamper with the car door, Hicks' device starts the horn blowing.

The inventor has a more complicated safety gadget on his own car. He carries a portable radio with him, and flips a special switch when he reaches his hotel room. If the door is bothered, Hicks gets the signal on his radio.
New Dam Named For Osage Chief

The new dam and lake under construction in Osage Hills park has been named for Chief Fred Lookout, considered one of the greatest leaders of the Osage Indians.

The name was chosen by persons living in Osage and Washington counties, and approved by the Osage Indian council.

The dam, 480 feet long and 40 feet high, will impound about 20 acres of water, said Earnest Allen, head of the park division of the planning and resources board. The last legislature appropriated $37,790 for construction.

Lookout Lake, covering some acres of land, will provide boating, swimming and fishing for park visitors. Other new features at the park are electric refrigerators and gas heat in the cabins.

The dam is scheduled to be completed in February, more than two years after Chief Lookout's death. The chief came to the Osage Hill country with his tribe, the Little Osage, in 1871.

He was born in Kansas in 1861, a member of the Eagle clan of the Little Osage. His father was named Eagle-That-Dreams, but was called Lookout by misconception, since an eagle who dreams also looks like an eagle who watches.

When the chief was named, he was called Little-Eagle-That-Gets-What-He-Wants, WaNon-Sha-She-Go.

Lookout was sent to a white man's school in Carlisle, Pa., when he was a young man. His father explained he must learn the white man's ways because he had heard talk that "the white man is coming here too. They say there is no place Osage can go now—white man, they say, will come there."

Lookout returned home when he was 23 years old and learned his father had died the year before. He went to visit his uncle, chief of the Little Osage, and found him dying. On his deathbed, the uncle gave the papers of the chieftainship to Lookout, saying, "I turn over the chieftainship to you. I give you the authority to carry the fire."

Lookout led the Little Osage many years and later was elected chief of the entire tribe. He held the chieftainship until his death in 1951.

John Joseph Mathews, an Osage and Rhodes scholar, said Osage was a wise chief. In council meetings he told the young men, "You are young. You know the white man's ways. If you let your white man tongues say what is in your Indian hearts, you will do great things for your people."

Professor Tells How To Design

When a student finishes reading the book written by John E. Lothers, architectural engineering professor at Oklahoma A&M college, Stillwater, the student has designed a complete house.

Lothers' book, "Design in Structural Steel," explains theories of steel structure in relation to a specific building. Included are calculations for wind effect, gravity pull and even possible earthquake shocks.

The professor has taught and done research at A&M for 24 years. He received a master's degree in civil engineering from Columbia University and served two years with the army engineers during World War I.
Technicians Trained at Okmulgee

Industry in the Southwest needs technicians—and Oklahoma A&M Technical school at Okmulgee is doing its best to supply them.

The school, started just after World War II as a branch of A&M college at Stillwater, teaches 35 industrial trades with 85 fields of specialization within the trades.

Approximately 900 students are enrolled this year, and will receive their Certificates of Accomplishment in one or two years. The school year is broken into three semesters of four months each, so that students may attend the year round.

Those are the statistical facts about A&M Technical Training school.

But behind the statistics is a wealth of information—such as why the school was started.

The trade school is the realization of a dream for Lloyd Keith Covelle, now director of the school, and a former instructor at A&M college. Covelle thought for years of an institution that would give persons unable to attend college a chance to learn. He wanted a school where students learned how to make a living. The technical school fulfilled his dream.

Also behind the statistics are the students themselves. They are made up of men and women who want to learn a specific trade. They include persons who never completed high school, who would be unable to attend colleges or business schools. They also include persons who have studied in colleges but found they weren't learning what they wanted.

About 22 per cent of the students are physically handicapped, learning trades so they may be self-supporting.

The teachers also are different from those found in most schools. The faculty is made up of men and women from industry, persons who know a trade and have been persuaded to leave jobs—sometimes more lucrative—to teach.

The method of teaching is different from other schools. All the work done is something that actually needs doing. For instance, the automotive classes work on the cars of the faculty and students. A motor is never assembled, then torn down for another student to rebuild. Every job is necessary and, when completed, is taken from the shop.

"The only sound vehicle for learning is to learn by doing," Covelle says, and his students agree.

Art Pupils Learn by Doing

Even the art and ceramics taught at the technical school are practical.

Commercial art and advertising are taught by Roy Belford, a native of Okmulgee. Belford studied in several schools before the technical school was started, then returned to Okmulgee to teach. His students take courses in design, lettering, salesmanship, etc.

To keep in step with the "learn by doing" theory, the art students design all display posters and packages at the school. For instance, the hatchery at the school sells eggs; the art students design the egg carton.

The ceramics department, started five years ago, is turning out only a fraction of the technicians needed in Oklahoma. Don Rowland, head of the department, explained that persons don't realize the need for ceramic makers in the Southwest. He received 10 requests for technicians in September of this year, while only three students are majoring in the course.

"When people think of ceramics," Rowland said, "They think of home shops with ash trays and figurines." But at the training school, students find there's more to ceramic artists than molding a shepardess.

(Continued on Page 8)
Building Begins On New Pools At State Parks

Vacationers at two state parks will find new and degermed swimming pools awaiting them this vacation season.

Ernest Allen, park division head of the planning and resources board, said a new pool is under construction at Boiling Springs park near Woodward. The old pool at Roman Nose park in Watonga county is being completely rehabilitated.

The Roman Nose pool, a kidney-shaped structure 127 feet long and 70 feet wide at the widest point, was formerly filled by water from an underground spring. A purification and filtration plant for the pool is under construction, plus a new concrete floor, and new diving boards, ladders and lights.

The pool at Boiling Springs will be completely new. Visitors formerly swam in part of the lake. However, steadily increasing algae made swimming uncomfortable.

A few years ago, the park division laid a concrete floor in that part of the lake used for swimming, but the floor disintegrated.

The pool will be 74 feet long and 40 feet wide at one end, 20 feet at the other. It will have under-water lights, tile trim, chrome-plated ladders, a diving board and its own purification and filtration plant.

Both pools were designed by P. P. Paddock of Oklahoma City. The 24th legislature appropriated funds for both—$23,000 for the Boiling Springs pool and $30,000 for the one at Roman Nose. Allen said both pools will be ready for the 1954 vacation season.

Press To Publish 30 New Volumes

The University of Oklahoma Press plans to publish 14 books during the first five months of this year and 16 during the remainder of the year, official report.

The output during 1953 was 25—largest since the Press was established in 1928. Subjects range through history, agriculture, public relations, music, poetry, Indians and frontier life.

The report included flow charts on each of the recommended chemicals showing the components and the end products. The final products include elastron, orion, chrome-plated ladders, tile trim, cleaning solvent, fertilizer, rubber for tires and several types of plastics.
Big Plans Are Hatched For Lake Murray Resort

Southwest Resorts, Inc., which has taken over the room management of Lake Murray state park, has big plans for the lodge, formerly operated by the state.

James R. Shaffer, president of Southwest Resorts, said he wants to increase the lodge and cabin occupancy to 75 per cent of capacity. It's now 60 per cent. The lodge has 26 rooms and there are 78 cabins.

"The state has done a wonderful job," Shaffer said. "And with its continued cooperation and my experience, Lake Murray will create a wider interest in visitors from all over the country."

Forty-year-old Shaffer, sales and promotion manager of the Adolphus hotel at Dallas, said he will aim at increasing the park visitors during off-season months—from November through March. The lodge also will be offered as a center for sales meetings and conventions.

The entire lodge staff of 26 persons will be retained, Shaffer said, and continue to be managed by Gordon Leaman. A. H. McCall will continue to hold the dining concession.

The new room manager knows the workings of a hotel from closet to suite. He started in the business when he was 19 as a room clerk at the Hotel New York, New York City. He came to the Adolphus as sales manager in 1946 from the Statler-operated William Penn hotel in Pittsburgh, Pa., near where he was born.

He and Mrs. Shaffer—from Madill—have two sons, 15 years and 10 months.

Other officers of Southwest Resorts are three Altus residents, Dick Moore and Bill Williams, vice-presidents, and Clarence Stipes, secretary-manager. The corporation's books will be handled by Andrew C. King, resident partner of the Dallas office of Horwath & Horwath, one of the nation's leading hotel accounting firms.

DOLLAR RE-DATED

The federal reserve board recently revised the index of industrial production and named 1947-49 as "normal" years, thereby counting the dollar's value during that period as "100." The dollar's 100 value formerly was during 1935-39.

Therefore industrial production will no longer be measured against the figures of a prewar period but rather of a recent postwar period.

State Industries May Get Help From Physician

Employee health problems of state industries may get a shot in the arm from the University of Oklahoma medical school and the state health department.

Dr. Jean Spencer Felton, the medical school's first industrial medicine teacher, has joined the consultant staff of the industrial hygiene division of the health department. Dr. Felton was medical director of the Oak Ridge national laboratory, Oak Ridge, Tenn., during the past eight years.

The health department formerly offered the service of an industrial hygiene engineer, but this is the first time a physician's services have been offered.

Dr. Felton said the service will cover any problem relating to either the physical or mental health of employees. Problems arise from the use of hazardous materials, or sometimes when an industry begins using new materials, he said. Other problems concern absenteeism from medical causes, personnel retention or rehabilitation.

"No matter whether a shop employs one man or 20,000, it has such problems," Dr. Felton said. "We will be interested if the local management would like assistance in setting up a program of personnel selection and placement, a program of health education or emotional health, or a system of medical records."

The consultant service may be contacted at the state health department or the medical school.

TALK-BACK MACHINE USEFUL

The Pronunciary, new talk-back machine, makes it easy to learn the pronunciation of words.

The machine was invented by Chester M. MacChesney, chairman of Acme Steel company and first shown in 1953 in New York. It is used in speech therapy classes for handicapped persons, in schools teaching English to foreigners and also in teaching Americans basic English or the newer Inter-Lingua.