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rural electric news

February, 1974



Power Transfer to East Set

As the oil shortage worsens, coal-burning utilities in the Midwest are readying plans to pump large amounts of electricity to hard-pressed power companies in the East. The exact amounts of power that will be transferred over interstate 'grids' this winter have not been determined, but electric utilities' officials say the quantities could be 'substantial.'

Because of their dependence on imported oil for generating electricity, East Coast utilities are expected to be hard hit by the fuel shortage this winter. Midwest utilities on the other hand are largely dependent on coal, and some have nuclear units in operation. A group of Midwest power companies has agreed to sell 500,000 kilowatts of power to New England utilities on a regular basis. Although this amount is not large, Donald Cook, chairman of American Electric Power Co., says the sale is only a first step in what could be an escalating series of long-distance power transfers in months ahead. (REA Press Round-up)

More Comments on the Energy Crisis

James C. Tippet, news service director for the IAA News Service, recently had some interesting comments about the energy crisis in his column "Capitol Comment." Here is what he had to say:

"There is no question but what the energy situation is the Number One concern of Americans today. You can't pick up a newspaper or listen to a newscast without catching some mention of the serious shortage of oil facing not only America but the whole world.

"And because this public concern is now so great, it is absolutely imperative that the public has confidence in government and the oil industry when we are asked to make sacrifices and pay higher prices in the process.

"How serious is the energy crisis? Does the federal government have all the facts and figures it needs to establish whatever energy policies are needed or is it relying solely on figures supplied by the oil companies? This is not to suggest that the production and reserves figures of the oil industry are necessarily wrong or misleading, but it is certainly within the province of our federal government to verify the information and to maintain public confidence.

"It is disturbing to read that there is an increasing belief on Capitol Hill in Washington that the oil shortage is primarily the work of U.S. petroleum companies rather than the Arab embargo. Certainly, the Congress and the Administration have every right to know, so the American people can know, just what the energy situation is in this country. A national energy policy must be developed to take care of the long range situation as well as the short term problem. But a necessary first step in developing policy is to determine what America's energy supplies are and can be, as well as to determine our present and future needs. And that is a job for the Congress and the Administration, not the oil industry. Too many conflicting opinions exist today on the energy situation—there should be no credibility gap because public skepticism and resentment can lead to wrong decisions that can plague America for years to come."

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Cooperatives

RON JENKINS, *Editor*

illinois rural electric news

Cooperation is the Key to Energy Crisis Solution

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COVER—Although below freezing weather may get you down, the ducks on our cover seem to be enjoying it. This scenic spot is on the grounds of the Inn of the Lamplighter, south of Springfield on I-55.

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This month Illinois and the nation observe National Electrical Week . . . and it's a good time to give credit to an organization that has been preaching the wise use of electricity long before the energy crisis arrived on the horizon—the Illinois Farm Electrification Council (IFEC).

IFEC, a non-profit organization, embodies the cooperative effort of many people from related organizations—the University of Illinois and electric suppliers, both investor-owned and cooperative.

According to the IFEC, this cooperation must be directed toward the solution of mutual problems confronting its members. Such cooperation is a priceless device through which individuals achieve goals as a group, that would be unobtainable otherwise; it is a means through which IFEC multiplies its strength. Cooperation is the key to the continued success of the IFEC and its goal of "A Mutual Exchange of Ideas."

The role of the IFEC is to promote the productive, efficient and safe use of electricity for the welfare of the people of Illinois through education. IFEC hopes that consumers, through education, will realize they must accept the cost of pollution control, safety devices and increased fuel cost in the generation and distribution of electricity.

On the other hand, IFEC says power suppliers should provide the necessary expertise to promote efficient and timely use of electrical energy at the lowest cost, so rigid controls can be avoided.

But how does the IFEC plan to live up to its role in the midst of the energy crisis? It plans to do it by continuing its "mutual exchange of ideas" and in a somewhat self-critical way. Here is what E. F. Olver, professor of agricultural engineering at the University of Illinois and executive secretary of IFEC, recently had to say about the energy crisis and the IFEC.

"With agriculture using only about three percent of the total electric and petroleum energy consumed in the United States, solution of the energy crisis must come mainly from outside of agriculture. Yet, the outside use of fuels may affect agriculture to the extent that fuels will not be available when the farmer needs them for planting and harvest, creating a serious food supply problem.

"According to E. E. Gavett, United States Department of Agriculture—Economic Research Service, the generation of methane gas from animal waste and the production of alcohol from grain and potatoes for fuel should be reconsidered. These methods of generation become more important as the fuel crisis mounts and as fuel supplies become more costly. Is there new technology available? Can the farm industry utilize the technology that has been developed by the space program? Can we use solar energy to operate farm equipment that is remote from fuel transmission lines? Are there situations where windmills may still be feasible? Can we optimize our use of solar energy in crop production? Could "off-peak" electric power be used to make hydrogen by electrolysis?"

And finally, he asks: "What should IFEC's role be in providing solutions for the energy demands of American families, farms and industry?"

The IFEC will continue, as all of us in the electric industry will, to search for the answers to the energy crisis. But, it must be done in a way that electric cooperatives have been practicing for years—cooperatively.

The woes of the energy crisis may soon be hitting you at the gasoline pumps, but an optimistic outlook prevails for adequate electric power for rural Illinois through the winter.

Both power cooperatives in Illinois, Western Illinois Power Cooperative (WIPCO) and Southern Illinois Power Co-operative (SIPC), believe they will have both the capacity and the fuel supplies to meet their member-systems' existing needs over the winter.

In addition, the two power cooperatives believe they will be able to meet increased growth demands during the period.

SIPC, based in Marion, has approximately 30 days reserve supply of coal on hand to feed its three coal-burning steam generating units with a capacity of 105,000 kilowatts (KW).

SIPC serves three distribution cooperatives: Egyptian Electric, Steeleville; Southern Illinois Electric, Dongola; and Southeastern Illinois, Eldorado.

Because coal supplies are delivered by truck to the cooperative and because the 105,000 KW capacity is greater than the anticipated load, even at peak, the cooperative foresees no shortages, barring extensive breakdown.

In addition, SIPC is entitled to a reserve of 35,000 KW from Southeastern Power Administration, an agency of the U.S. Department of the Interior. Should a generating unit fail, the cooperative would be able to use this contingency resource.

WIPCO, based in Jacksonville, has different problems from SIPC, since WIPCO has an oil-fuel combustion turbine generator (25,000 KW) besides its coal burning generator (25,000 KW).

WIPCO generates power for seven distribution cooperatives: Adams Electrical, Camp Point; Illinois Rural, Winchester; M. J. M., Carlinville; Menard, Petersburg; Rural Electric, Auburn; Spoon River, Canton; and Western Illinois, Carthage.

A 30-day supply of coal is on hand at WIPCO, but the cooperative

will rural illinois have enough power this year?

would like to stockpile even greater amounts for the winter.

Two problems face WIPCO in getting additional supplies of coal. Since the coal is barged to the Pearl station, located on the Illinois River, extreme cold weather conditions could make river travel impossible to deliver the coal. In addition, at the moment, there is a shortage of tugboats on the river to move the coal barges.

The combustion turbine is used by WIPCO for peaking and reserve. Presently, there is enough oil to meet peak requirements, but not enough to meet emergencies should the coal-burning generator ever need extensive repairs. Should the coal-burning generator have to be shut down, the reserve generator could operate for approximately nine days around the clock with present fuel supplies.

Under normal conditions, the fuel available for the combustion turbine is adequate and fuel storage tanks are filled close to capacity. WIPCO officials are not overly optimistic about getting additional supplies or emergency supplies of fuel oil, and anticipate much higher prices.

In addition to its two main generating plants, WIPCO also has between 12,000 KW and 15,000 KW capacity in a number of diesel generators in Winchester and Pittsfield which could be called up in an emergency, as well as an agreement with the City of Springfield to supply additional emergency power.

Jo-Carroll Electric Cooperative,

Inc., Elizabeth, is unique among the Illinois distribution cooperative since it receives power from Dairyland Power Cooperative of Wisconsin. At a recent annual meeting, Jo-Carroll officials said Dairyland expressed optimism over its ability to supply Jo-Carroll with adequate power.

Illinois' other 16 distribution cooperatives, which buy their power wholesale from privately owned utilities, also anticipate an adequate supply for winter. Because they do not produce their own power, however, the adequacy of the cooperatives' power depends on their suppliers' ability to supply them.

Private power companies usually have their maximum loads during the summer, while cooperatives they supply have their maximum needs during the winter months. Although no utility shortage problems are anticipated for this winter, it is unknown, both by the cooperatives and by their suppliers, what the situation will be next summer.

The future power supplies are at best indefinite. But barring unanticipated and lengthy breakdowns for the power cooperatives, or unexpected fuel shortages by private utilities supplying power to cooperatives, there should be enough power to meet the needs of consumers in rural Illinois for the next year, at least.

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There is probably nothing more satisfying than to help a young person through his formative years. For years, those who have dedicated both their time and resources to the Illinois 4-H program have done just that.

More than 100 meaningful projects serve as vehicles for teaching responsibility, self-confidence, dignity of work, useful skills and other qualities which young people will need to provide tomorrow's leadership.

When it comes to 4-H, the Illinois electric cooperatives have been doing their part. With the help of the Illinois Farm Electrification Council (IFEC) and power suppliers, the electrical emphasis program has become one of 4-H's most successful projects.

"The era of the 'kid and the calf' in the 4-H program is no longer with us," Richard Lyon, State 4-H Program Leader at the University of Illinois, explained. "Only one-third of our kids now have a rural address. That's why electricity, photography and pet care projects are probably more practical for our members."

Lyon lauded the electric cooperative, IFEC and other power suppliers for their assistance with the 4-H electrical program. "Without them," he added, "there wouldn't be much of a program at all."

"Our biggest problem has been getting enough leaders," Lyon said. "But with people like Dean Searls (manager of Adams Electrical Cooperative at Camp Point), who has been in 4-H all of his cooperative life, you don't have a problem whatsoever."

Jim Leming, chairman of the IFEC 4-H Electric Committee and public affairs representative for Coles-Moultrie Electric Cooperative at Mattoon, agreed with Lyon that adequate manpower is essential to a successful program.

"We do what we can—all power suppliers do," Leming said. "That's why the IFEC 4-H Electric Committee initiated the emphasis program approach to teaching 4-H electricity classes."

Two years ago, the committee be-

gan its work on a new approach to instruction in the 4-H electrical program. The committee directed its efforts toward developing a four-year program with classes around a special emphasis. The 1972 emphasis was on lighting and for 1973 it was heat. This year, students will learn about electric motors.

"In November, members of the IFEC 4-H Electric Committee demonstrated to power suppliers and extension personnel how the 1974 theme of electric motors might be presented to 4-H boys and girls," Leming said. "The four-part program saves a considerable amount of instructional time for power supply representatives and, at the same time, gives the club member a program that will be both informative and motivating."

Like Jim Leming at Coles-Moultrie, several other electric cooperative employees are active 4-H leaders.

At Eastern Illinois Power Cooperative, Paxton, Cy Anderson, Ken Decker and Delbert Taylor are willing to give a program on electricity at any 4-H meeting. Anderson, who has judged electrical projects at county fairs for the past 10 years, said Eastern's program usually stresses safety and the proper use of electricity in the home.

Across the state at Adams Electrical, Roger Mohrman will have 75 4-H'ers attend his electrical class this month. Topics covered include basic electricity, lighting and motors, motor control and household wiring. During the summer, you might see Mohrman roaming a farm with a group of youngsters explaining how electricity is used on the farm.

At Breese-based Clinton County Electric Cooperative, Inc., Stan Huffman is busy teaching beginning and advanced electrical classes with a major emphasis on safety. Clinton County also helps sponsor an all-day recreation trip to Janssen Resort near Carlyle.

One of the most active persons in the 4-H program from the electric

cooperatives is Thomas B. Williams, power use adviser for Southern Illinois Electric Cooperative, Dongola.

Williams has been active in 4-H for 15 years and spends nearly a month a year with 4-H work. At Southern's two-day workshop, Williams likes to give his students "something they can get their screwdrivers into."

The list of the electric cooperative personnel who work in the 4-H program is a long one: Joe Crosno of Corn Belt Electric Cooperative, Inc., Bloomington; Andy Bird of Tri-County Electric Cooperative, Inc., Mt. Vernon; Harold Edge of Rural Electric Convenience Cooperative Co., Auburn; George Lindsay of Illinois Rural Electric Co., Winchester; Ray Riffey of M. J. M. Electric Cooperative, Inc., Carlinville, and John Robinson of Edgar Electric Cooperative Association, Paris. In fact, probably every electric cooperative

Illinois 4-H program determined

"to make the best

power-use advisor in the state spends some of his valuable time with 4-H.

Electric cooperatives also support the 4-H program through donations to the Illinois 4-H Foundation. Last year, over 900 individuals and firms donated to the Foundation. The funds were put to good use.

For example:

- 13 top 4-H'ers received the "once in a lifetime" educational trip to the National 4-H Congress in Chicago.

- 19 Illinois counties received \$5565 in grants for special 4-H programs in disadvantaged areas or with handicapped children.



ABOVE: Last November 20 top 4-H members were the guests of the IFEC for a three-day all-expense paid trip to Chicago. The winners were selected from thousands of members who participate annually in the 4-H electricity projects competition. RIGHT: John Groezner of Elizabeth (left), Michael Sork of Fairfield, whose parents are members of Wayne-White Counties Electric Cooperative, and Carol Kocher of Henry, stop in front of The First National Bank of Chicago.

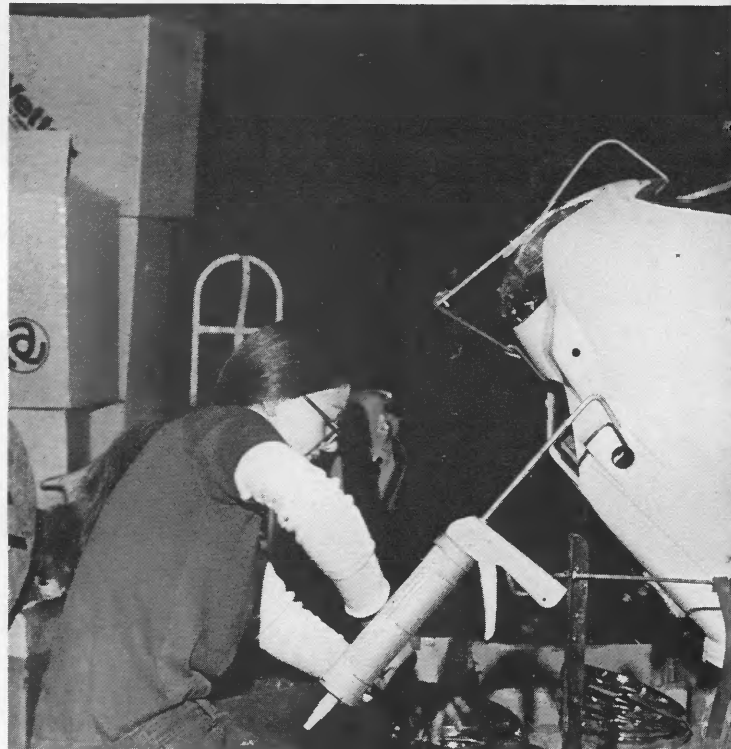
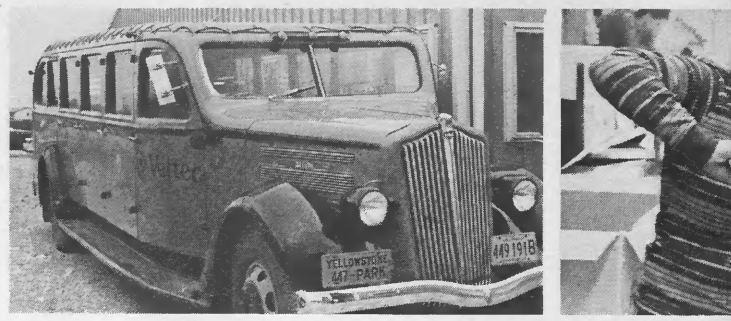
oetter”

- Two former 4-H'ers were delegates to other countries in the International farm Youth Exchange program and 15 young people from foreign countries lived with Illinois families.

- Over 60 disadvantaged 4-H members received whole or partial campships to 4-H camps.

There is little question that the time and effort of those who participate in the Illinois 4-H program as instructors and leaders is time well spent. Through their help, the Illinois 4-H program will continue to live up to its motto—"To Make the Best Better."





quality workmanship

LEFT: One of Vetter's young female workers smooths down the edges of a styrene windshield. ABOVE LEFT: Travel to motorcycle shows is via the modified employee bus. ABOVE RIGHT: The finishing touches are added to a fairing. CENTER: Two assembly line workers work on a fairing. The plant hires equal numbers of men and women. LEFT: Carol Lumkes, 22, is supervisor of all workers in the frame mountings division. She makes sure that every Vetter fairing can be ordered to fit almost any motorcycle made.

The only person you'll meet over 30 at Vetter Fairing Company is the general manager, Tony Salisbury. The average age of the other 70 employees at the factory is 22. Half of them are women who hold jobs traditionally filled by men.

The plant, located just outside of Rantoul and powered by Illini Electric Cooperative of Champaign, manufactures motorcycle fairings. A fairing is the large bubble of fiberglass or heavy plastic that acts as a windscreen on the front of a motorcycle.

But what kind of system is Greg



Greg Vetter

...no free

Vetter, co-founder of the company along with Jim Miller, trying to change? With his young workers, long hair and faded blue jeans, he isn't what you would usually expect as the typical businessman, whatever that

means.

According to Vetter, he is not 'bucking' any system because he has his own. He says that his company is the largest maker of quality fairings in the world. And the reason it's the biggest is because he made it that way by producing something no one else could or did. Since his product is his own invention, the procedure on



accident

how he produces and sells his fairings is his own, too.

"I started my firm back in 1965 with one employee—me," Vetter explained as he sat on a stool yoga style in his office. An avid motorcyclist, he put his industrial engineering background to work and developed protection from three of the motorcyclist's worst enemies—the cold, wind and bugs.

In 1968, he moved from Champaign to Rantoul while his fairings were in the experimental stage. He bought an old food locker building and two acres of ground and went to work. For two years, things went pretty slow.

"I was really disappointed," Vetter said. "I thought all I had to do was

develop the product and it would sell itself. At first, things went too slow. Now they are going too fast—I can't keep up with the demand."

Vetter admitted that his business contacts used to be antagonistic toward him because of his appearance. But, he said, their impression changed when they discovered how well his fairings sold.

"I won't let anything but the best quality workmanship go out," Vetter said. "We make up the product to fulfill a need. The problem at first was we had a product before there was a market. But now we have a solid network of dealers."

Because of the quality, Vetter receives a good price for his fairings. The fairing, which weighs about 20

pounds, retails from around \$155 to nearly \$300 for special equipment.

The quality comes from his young workers. Youth power, both male and female, operates the sanders, drills and other assembly line equipment. All work is done by young hands, from shaping the styrene windshield in an oven to loading the finished product on the trucks.

Advancement to supervisory level is through the ranks. Mike Chapman, 19, is the maintenance supervisor. He has direct charge of seven separate groups of assembly line workers.

Carol Lumkes, 22, has charge of all workers in the frame mounting division. She is personally responsible to see that every fairing can be ordered to fit almost any motorcycle made.

"Unfortunately, jobs have to be reduced to the basic functions in a factory," Vetter said. "That's why we've tried to make it possible for our workers to have some future here. We pay top wages to our workers."

Another incentive is the company's bonus share plan. If a worker does an exceptional job and surpasses production, he or she can earn a share worth about \$30. On the wall is a list of all the workers and the amount of shares they have earned during the year. Some workers have earned as many as three shares a month. It is evident that the company does not have a high turnover of workers—a stereotype of young people that Vetter has proved false.

His biggest problem is from other fairing manufacturers who make, what he called, "cheap copies of my product." To guard design secrets, several of the production and design rooms are off limits to visitors.

Vetter is proud of his product, his plant and his workers. He likes his location near Rantoul and wants to become a good neighbor. Some of the company land behind the plant is being farmed by a local vocational agricultural class. This summer, another class will do carpenter work at the plant.

Vetter likes young people. He provides them with an opportunity to prove themselves as good workers. A chance, he said, others might not be willing to give.

*these co-op members
promise you-*

GOOD SERVICE, GOOD FOOD

at Troy's auto/truck stop

What would you think if you were allocated about 400,000 gallons of gasoline a month and then found yourself facing the current energy crunch?

Two members of Greenville-based Southwestern Electric Cooperative are finding themselves in that situation. Don Angst and Irv Grimes, who lease and manage the new \$2-million Union 76 Auto/Truck Stop and Restaurant near Troy, still have high hopes despite the adverse circumstances which face the oil industry.

"When we signed the lease agreement," Grimes explained, "we knew that the company would decrease our allocation by about 25 percent in three years, which is a part of their own control on the conserving of fuel to be able to supply their facilities.

"Now, with the energy crisis, Union 76 has discontinued the construction of any more truck stops. We were fortunate that ours was completed a little more than a year ago."

Union 76, has a national network of truck stops. Most of their modern facilities are located in the East, as 75 percent of the nation's trucking transportation is conducted within a 300 mile radius of Cincinnati, Ohio. The Troy facility is the largest and covers about 12 acres, with room for expansion if necessary.

"We cater not only to truckers, but also to travelers and local families,"

ABOVE RIGHT: Don Angst, left, and Irv Grimes, who lease and manage the truck stop.

RIGHT CENTER: Eldon Turley, community affairs representative for Greenville-based Southwestern Electric Cooperative, talks with trucker Henry Pellican, right, Vita Food Products, Inc., St. Louis.

LOWER RIGHT: Mrs. Nell Harshaw of Caseyville serves coffee to Jack Bowman and James Leeper, truckers for National Trucking, Lockwood, Missouri. The men stop at the Troy facility because of its reputation for good food and service.

RIGHT: Just a few of the hundreds of trucks which stop daily.



Grimes commented. "We've complied with the national policy not to sell gasoline to automobiles on weekends. But in addition to that we're noting about a 20 percent reduction in our weekend restaurant business. This indicates that Americans are taking the energy crisis seriously and are cutting down on their weekend driving."

"We're not in as bad a shape as the small operator who relies strictly on automobile business," Angst said. "Our facility was designed to serve the needs of trucks. Our restaurant seats more than 200 people with a special section for professional truckers so that they won't get lost in the shuffle."

A professional trucker may stop only for the time it takes to fill up with gas, grab a bite to eat and maybe take advantage of the free shower facilities offered by the truck stop.

"With saddle tanks," Angst said; "a professional driver can carry about 200 gallons of gas and can drive about 800 miles before refueling. He also earns anywhere from \$15,000 to \$18,000 a year. A driver who owns his own rig and puts in the hours can earn as much as \$30,000 to \$40,000."

"That's why we believe that the days of the 'Mom and Pop' and 'greasy spoon' stops with the \$1.25 plate lunch specials are over. Today's driver is a professional with a high

wage and he expects the best."

Grimes pointed out other ways in which the Troy facility caters to the driver:

"We have a control center where each gasoline sale is automatically imprinted when the pump is shut off. This speeds the transaction and doesn't keep the driver waiting that long. In addition to free showers and towels, we have a 20-unit motel which only drivers can rent. Each room has its own bath, as well as a color television set. We think they're as nice as any traveler could find."

The two managers indicated that good service and good food are the main drawing cards for their business. And with a member of the managerial staff on hand at all times during the day, a driver can expect the best.

"Union 76 has a reputation," Angst said, "of taking care of drivers' complaints, if any. A driver can immediately get in touch with management if he has a problem with a waitress, the gift shop personnel or one of the attendants. And if management doesn't satisfy him, then he can take the complaint right to the home office. That's the way we want it. We consider ourselves as operators of a 'classy' truck stop and we intend to keep that image."

Grimes, who nodded his head in agreement, said, "Thanks to the nearly 100 employees we have, we can do just that."



ILICA Focuses on Energy Crisis at 1974 Convention

The energy crisis and future land use legislation were the main topics at the 18th annual convention of the Illinois Land Improvement Contractors' Association (ILICA) held recently at the Holiday Inn East in Springfield.

The two-day meeting drew over 200 people, including several distributors and manufacturers who set up displays of drainage, earthmoving and land improvement oriented equipment. The ILICA is a professional association organized and dedicated to the promotion of effective soil and water conservation construction in Illinois.

Highlighting the convention were addresses by Don Handy, assistant director of the State Fuel Allocation Office, Illinois Department of Agriculture, and State Representative Harlan Rigney of the 35th Legislative District.

Rep. Rigney voiced his concern about future land use legislation which may have a restricting effect on agriculture in Illinois.

A member of the Agriculture and Natural Resources Committee in the Illinois House, Rep. Rigney favors research into rich high-sulfur

coal reserves as a major step in meeting energy needs of the future.

"Basically, I applauded the governor's efforts to do everything possible to clean up Illinois coal and make it an acceptable product by which to fuel the nation," Rigney said. "But right now, we need some relaxation of the current Environmental Protection Agency restrictions for power suppliers in view of the present emergency situation."

As a member of a special House Subcommittee to study strip-mining, the Representative favors legislation which would make mandatory the restoration of strip-mined land. He added that no one was yet certain how to solve the problem of land restoration in the state which is anticipated to cost over \$1,000 an acre.

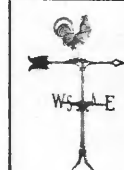
Don Handy, in outlining the functions of his office, said the responsibility of the Fuel Allocation Office was to obtain fuels through negotiation and trading and get it to those who need it most.

Handy also said he believed the energy crisis to be both real and probably permanent. "We get over 400 calls a day, so we know the situation is very serious," Handy



State Representative Harlan Rigney

said. He added that he believed contractors would have to live with fuel allocation the rest of their lives because, "it is the price we must pay for never having paid attention to our dwindling fuel resources in the past."



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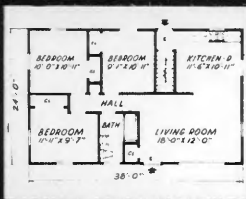
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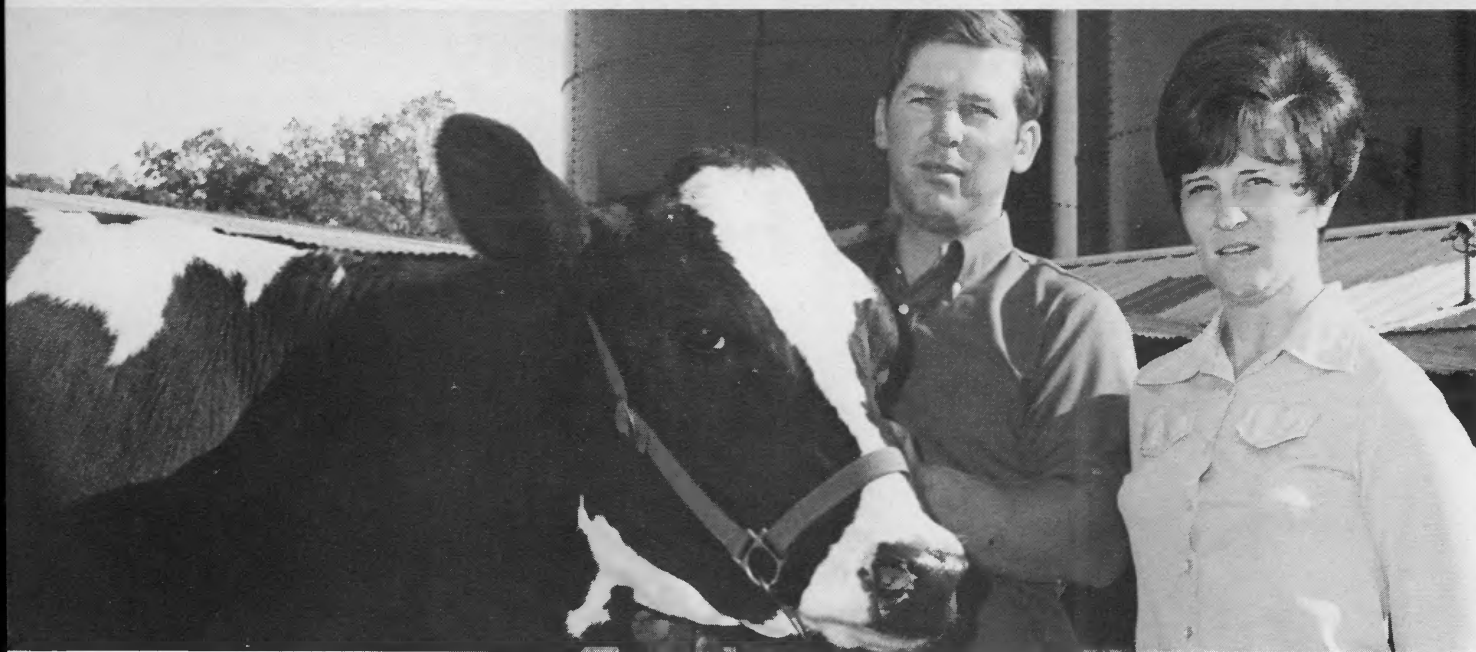
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HARD WORK AND LONG HOURS

have paid off
for this cooperative
couple

For 14 years Ron and Joy Schewe of Waterloo have been getting up each morning at 5 a.m. to milk and care for their cows and this year their diligence paid off. They were recently named the "Young Cooperator of the Year" by the St. Louis Division of the Mid American Dairymen, Inc., a dairy cooperative.

The Schewes, who are members of Waterloo-based Monroe Electric Co-operative, Inc., earned the award for their constant growth in dairy production and participation in community activities.

Since Schewe started in the business on a partnership basis with his father, they have increased their herd from 16 cows to 78. Looking to the future, Schewe would like to see the day when they would have a 125-cow herd.

"My main goal with the herd is to strive for increased production and butterfat content," Schewe commented. "During the past ten years, we've seen our own herd's production increase from an annual per cow average of 12,000 pounds of milk to last year's average of 15,576."

During that same time, Schewe has increased the average butterfat production per cow from 464 pounds to 545 pounds. And he isn't satisfied yet. He still wants to try to get a four percent butterfat test.

"Higher production results from a variety of elements," he explained. "You can't just look at improved breeding as the only answer. Improvement comes also from the right kind of quality feed, proper management and the right kind of facilities."

Proper feeding was a case in point last year. In an attempt to reduce expenses and for experimental purposes, Schewe cut his protein supplement by two-thirds, as it was costing him \$20 per hundred pounds. Cutting the protein resulted in a 10 percent drop in milk production during the four weeks.

"There wasn't any way I could justify not feeding the protein," Schewe commented. "After adding the supplement back to the feed, it only took a week to get the cows back into full production. This experiment, we thought, was a perfect example of how important it is to have the right kind of feed."

"At the time of our feed experiment," Schewe said, "we saw a 400 pound drop per day in our milk production with our herd average of 43 pounds per day per cow. At that time, milk was selling for about \$6 per hundred weight so we were roughly losing an additional \$20 per day."

There are other ways in which a dairyman faces almost insurmountable odds. With a hauling cost of about 35 cents per hundred weight and with medical and supply costs, Schewe was only showing about a 25 cent profit per cow per day.

"That profit couldn't be considered a fair representation from a business standpoint," Schewe said, "because we haven't discounted for our labor, equipment nor the use of the facilities. And then, there's the additional per day cost of 50 cents for each of our 70-some calves."

"Fortunately, the price of milk is higher today. Many dairymen were going out of the business and others were giving it some thought."

(continued on page 18)

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EDITOR'S NOTE: The following was written by Jerry Voorhis, former Congressman and retired president of the Cooperative League of the USA. The opinions expressed are the authors.

Monopoly or near-monopoly control of vital industries kills economic freedom and opportunity. By "administered pricing" it is a basic cause of inflation of living costs. And in the present world situation, monopoly control of energy sources constitutes a positive peril to people now alive and even greater danger to the chance for life of future generations.

For this reason, monopoly—or near-monopoly—in such industries as oil, coal, gas and fossil fuels generally, electricity and nuclear power production must be treated differently and with greater impact than is required elsewhere at the moment.

In these industries it is imperative that either (1) monopolistic control be destroyed, or (2) such industries be declared public utilities and regulated as such, or (3) strong public-owned or cooperatively-owned enterprises be organized to provide competitive yardsticks of production, distribution and, above all, honest pricing and reporting. One reason drastic action is called for is the shoddy record of oil companies and others in opposing, openly or covertly, the development of mass transportation and of clean sources of energy.

Rural electric cooperatives, municipally-owned power systems and federally-owned power production are examples of the third solution mentioned above. The second solution has never succeeded because it has never really been tried. The companies which were supposed to be regulated have been able to control the regulating commissions and to prevent, except in rare instances, any really effective regulation in the public interest.

As to the first solution, a bill now before Congress offers a means whereby the stranglehold on major oil companies over fossil fuel supplies could be broken. This is a bill by Senator Abourezk and Congressman Aspin that would forbid any oil com-

monopoly kills economic freedom

pany from engaging in more than one of the following operations: production, refining, distribution or retailing. It could, if enacted, be easily enforced, unlike bills that merely require the break-up of huge monopolistic corporations. It is a bill which in effect forbids vertical integration and its application generally throughout the economy would be questionable. But in view of abuses committed by oil companies in the present so-called "energy crisis," action like this in respect to oil would be salutary indeed.

The future of cooperative enterprise in this country depends largely on how relevant the public sees cooperatives to be in attacking the central problems of our time.

For this reason, if our strongest cooperatives could pool their resources of energy, it would be the best of all conceivable answers to the energy problem.

One scientist at a recent meeting of the American Society of Mechanical Engineers declared that a series of windmills on the Great Plains could generate enough power to supply half of our country's present needs.

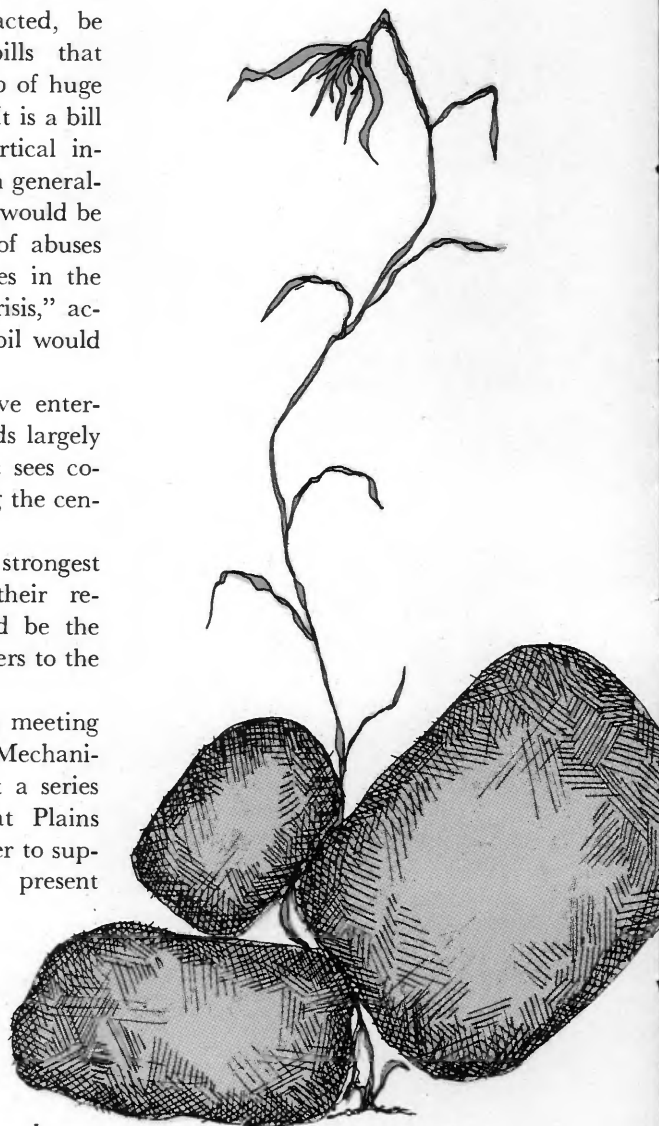
We know little as yet about the possibilities of harnessing the greatest source of energy of all, the sun. We need to find out.

We do know that France has a huge, successful project that develops power from the tides.

Mexico has developed, on the very southern border of the United States, considerable power from underground steam and boiling water.

If cooperatives could undertake a major research and development program in even one of these fields it would be, perhaps, the greatest forward step they have ever taken and the most appealing one to the general public.

Aside from this golden hope, there must be support, nationwide, for the



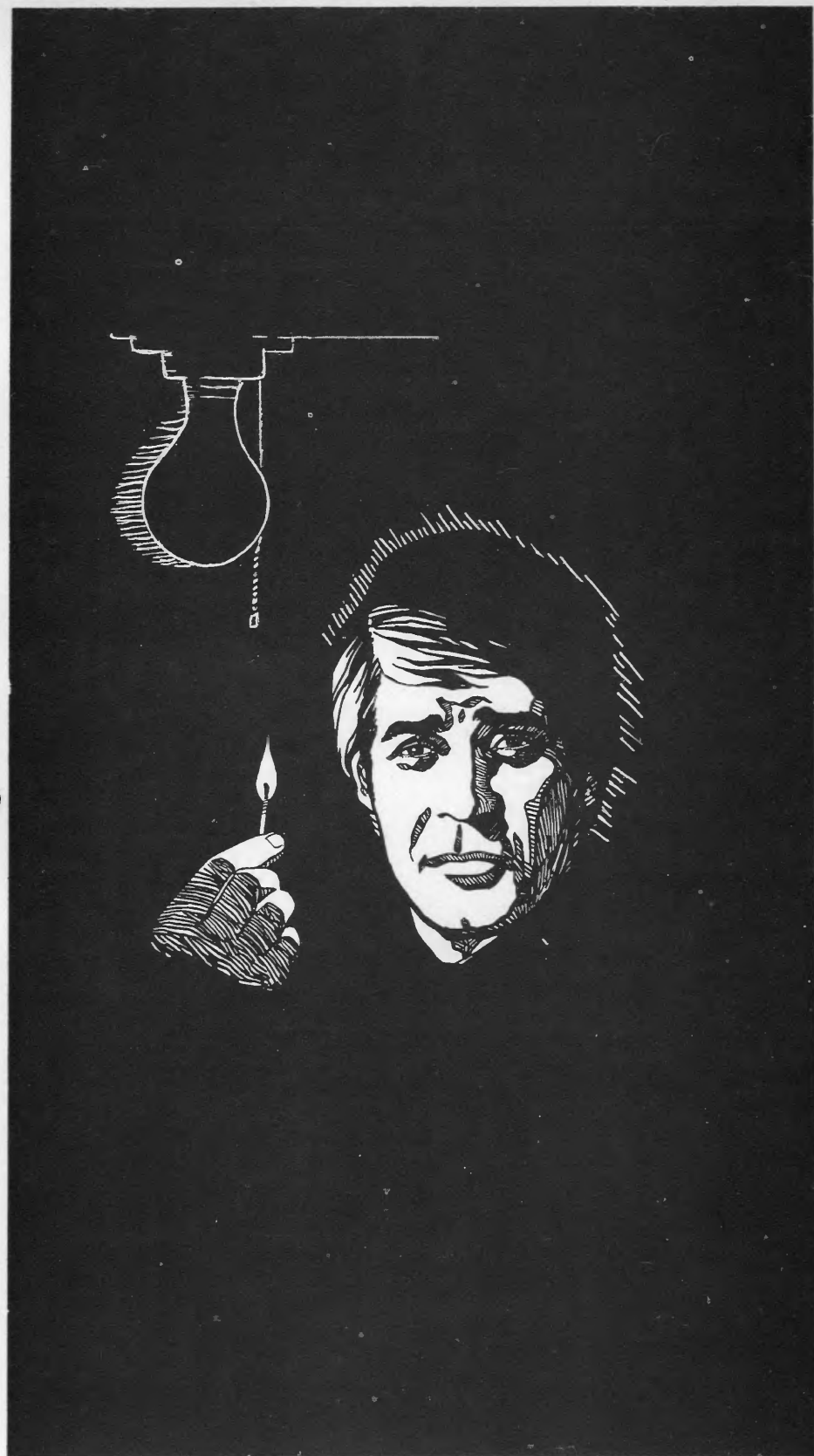
bill of Senators Jackson and Muskie that would bring about a \$20-billion crash program by the government in search of clean sources of power.

And the neglect by the present Administration and Congress of hydroelectric development has got to be reversed. For the one source of power which we have known for generations to be clean and practical is hydro.

Finally, everything possible must be done to strengthen, expand and in every way protect our rural electric cooperatives.

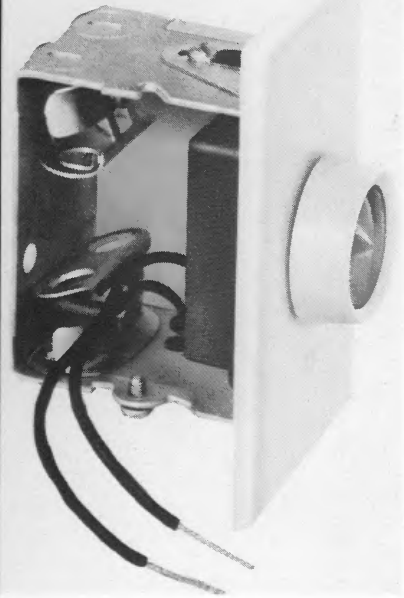
what would you do without electricity?

Very little. You couldn't enjoy many of the everyday conveniences of electricity. Our standard of living is closely geared to the availability of adequate, dependable electric power in building businesses, industry, jobs and prosperity for everyone. That's why Illinois' consumer-owned electric cooperatives were formed. Without them, over 500,000 Illinois citizens would be powerless. We turned the lights on in rural Illinois. Our goal is to keep them burning.



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what's new?



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Microwave Oven

A new "dual-power" microwave oven that allows greater cooking flexibility, as well as improved browning and defrosting, has been introduced by Sears, Roebuck and Co. The unit uses two energy levels, the "high" setting is perfect for fast cooking and the "low" level permits defrosting. There are no temperature controls to set because the oven cooks by time, not temperature. To operate the unit, only the power buttons and the timer is needed. The oven automatically shuts itself off and a bell signals the end of the cooking time. The unit operates on a standard 120-volt household current; no special wiring is needed.



Hard Work And Long Hours

(continued from page 14)

Schewe pointed out that it is important for the consumer to understand the dairymen's side.

"There are other risks to which the dairyman is subjected, such as medical care," Schewe said. "Any cow receiving medical treatment which is necessary to maintain a quality herd, is essentially out of production. Medicine affects the milk and it can't be sold. So, for several days a dairyman is losing money."

Schewe does see a future in dairy farming, particularly, on a larger scale. But the investment for such an operation is complex, too.

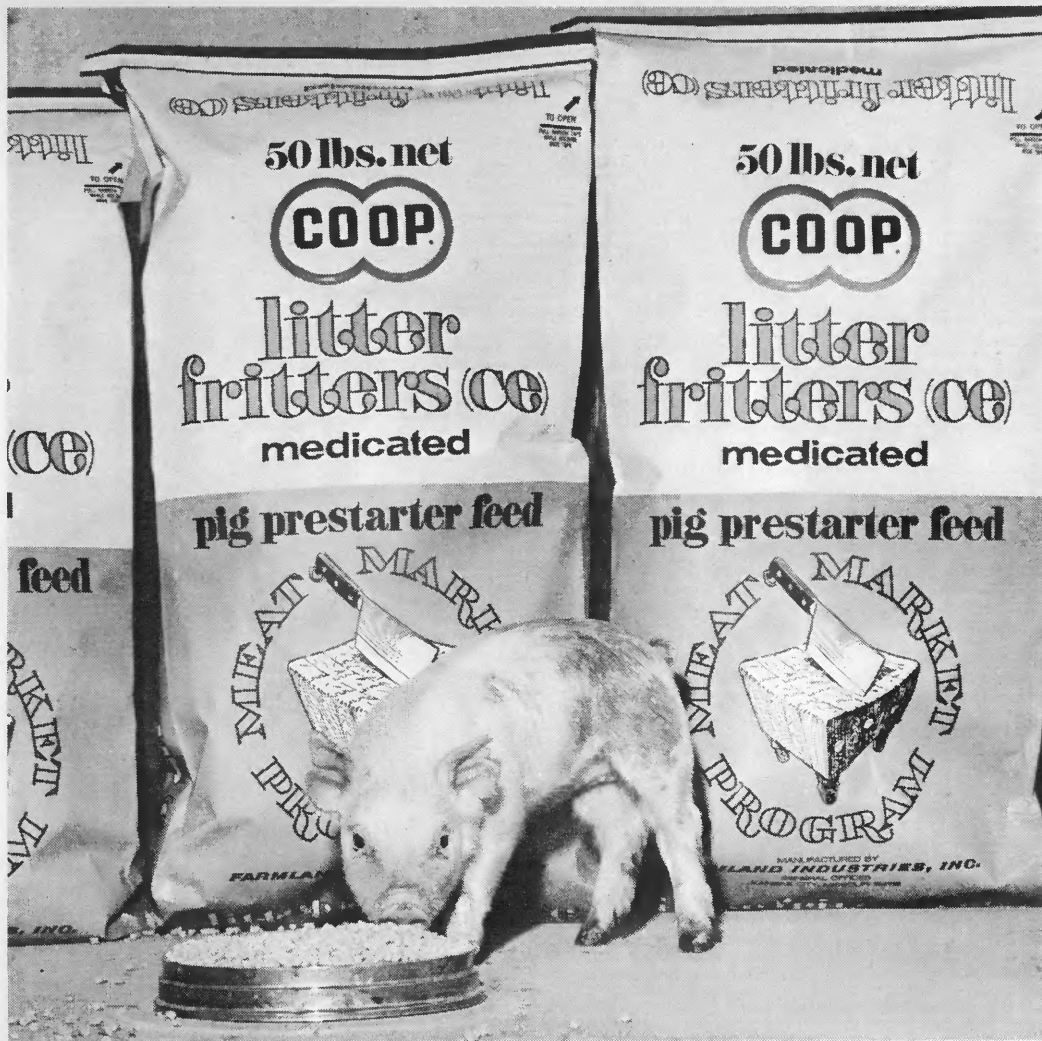
"Eventually I'd like to have a facility which would handle a 125-cow milking herd," Schewe said. "And to comply with new ideas in environmental protection, it would be a deodorized unit so the wind wouldn't carry the scent of the barnyard. But to set up such an operation, it would require an additional investment in equipment, buildings and an extra silo, which would cost about \$95,000."

Schewe's wife, Joy, was raised in St. Louis. But since her marriage, she has adapted to the dairy life quite well.

"I love the farm," she said. "At first it was hard to get used to getting up at 5 a.m. every morning, but now I don't mind at all. We milk twice a day but the only time I'm on duty is in the mornings. It takes us from about 5:30 to 9 a.m. to get the cows fed and milked, even with three of us working full time, Ron, myself and a helper."

Joy doesn't work during the evening's milking. A part-time employee joins with Ron and the full-time helper. It's not an easy job, although it may be enjoyable. It's also a seven-day-a-week, 52-weeks a year job, which doesn't leave much time for a vacation.

But thanks to the use of modern, electrically operated milking parlor, the Schewes do find their time to take a break from the yearly work.



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The suspicious track officials demanded, "Is this horse unsound?"

"No, sir. Soundest horse you'll ever see."

"Then why haven't you raced him before?"

"To tell the truth," he said, "we couldn't catch him till he was seven."

Slow Poke

"Been to the zoo yet?" asked the service manager.

"No, sir," answered the new delivery boy.

"Well, you should," said the manager. "You'd enjoy it and get a big kick out of watching the turtles zip by."

Back Seat Mommy

Our son had just received his driver's license before we left on vacation, so he and his father shared the driving responsibilities. On our return trip, a neighbor asked how the trip went.

"Fine," replied my son. "Dad drove part of the time; I drove part of the time . . ." Then he added with a sigh, "And Mom drove all of the time."

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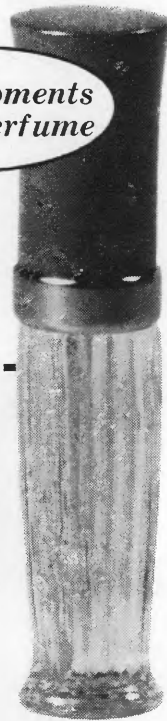
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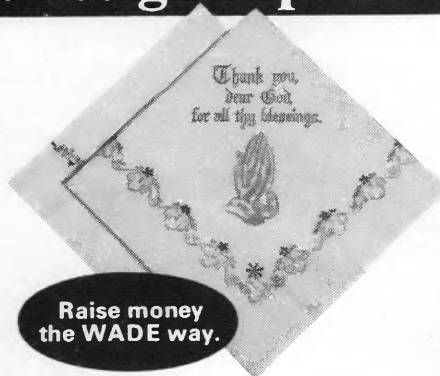
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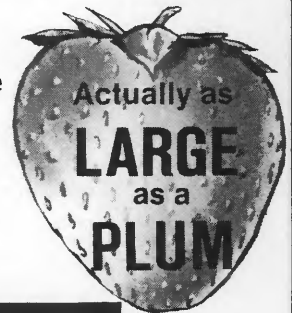
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reaching out

by Jim Pottorf
Staff Writer

Recent administrative changes in the Cooperative Extension Service of the University of Illinois may soon be bringing more expertise to programs designed for rural areas.

In an attempt to define what programs should be University-wide and which should be relegated to individual campuses, and to provide a means of communication and administration for all extension programs, the University instigated a two-phase study in 1968. The first phase dealt with extension and public service from a policy viewpoint, while the second phase dealt with the organization needed to achieve these principles.

In the past, the University of Illinois had two independent extension units formally recognized in the statutes—the Cooperative Extension Service and the Division of University Extension. Cooperative Extension emphasized four project areas: (1) agriculture and related industries, (2) 4-H and youth, (3) home economics and family living and (4) community resource development. The Division of University Extension was responsible for programs “beyond the Cooperative Extension Service,” specifically, formal courses for credit leading to advanced degrees and other types of academic programs.

Both of these units operated at the University-wide level and both stemmed from the land-grant college function of the University of Illinois.

The results of the 1968 study significantly altered the structure for carrying out Extension and Public Service programs within the University of Illinois.

Some programs of the Division of University Extension were placed within the scope of the three University of Illinois campuses: Champaign-Urbana, Chicago Circle and the Chicago Medical Center; other programs and personnel, including the six-man field staff which was operating from regional offices, were pulled together with the regional offices of the Cooperative Extension Service.

Dr. J. B. Claar, director of the Cooperative Extension Service, was named by the University to the post of associate vice president for public service, and with this second title will head the field extension (both general and agricultural) staff. He remains the director of Cooperative Extension Service within the structure of the College of Agriculture.

In short, Cooperative Extension will be retained as a separate organization but its director has been assigned a leadership and coordinative role at both the university and district levels.

“What these changes mean,” Claar said, “is that we have joined elements of the two extension programs under one system of management. The two are by no means merged, however. The Cooperative Extension Service is still the Cooperative Extension Service—the mission and the clientele served are still the same.

“What it came down to was the question: How can we make the greatest use of the funds and facilities already available to the University in serving more people?” Claar said. “Without new money, the best answer seemed to be to change the structure. Cooperative Extension had some regional offices, as did the Division of University Extension. By bringing these offices together and administering the personnel through a single administrative office, we will be able to have more adequate facilities and secure the benefits of greater communication and coordination. In addition, we will be getting the regional director out in the field where he or she can provide more direct leadership in program development and execution.

“The University of Illinois, through being a land-grant college and through federal and state legislation, does have a system of field offices in every county and a total of 10 regional public service areas,” Claar said. “Since we could neither afford another set, nor establish a satisfactory line of communication between two field delivery systems, the decision was made to try and use the facilities and services already available to us.

“What we hope to do is strengthen the extension program,” Claar said. “With Extension people from other segments of the University, besides the College of Agriculture, out in the field and working in close conjunction with our Cooperative Extension people, we believe the system as a whole will benefit. More programs of a different nature will be made available to more people—even though no overall enlargement of the program has been made.

“In some other states where re-organization has occurred, the county office became the means for programming and developing credit courses but this is not the case in Illinois,” Claar said. “Although for years, our county staff in Cooperative Extension has had a list of the courses available on their desks and they publicized them in publications and on radio, we do not expect them to be the official channel for such programs in the field.”

Within the structure of existing programs and in designing new programs, Cooperative Extension is seeking to become more people-oriented. In the past, the Service has been tagged with the “hard tomatoes,

to rural illinois



photo by Paul C. Hixson, Cooperative Extension Service

LEFT: Mumford Hall on the University of Illinois campus at Champaign-Urbana, home of the College of Agriculture and the Cooperative Extension Service. BELOW: Dr. J. B. Claar, director of the Cooperative Extension Service and newly appointed associate vice president for public service, speaks about the reorganization.



hard times" line, that too much was done in the area of production and products and too little was being done for the people themselves.

"We think we are, and have always been, a people-oriented organization," Claar said. "Our programs are educational and change only occurs as people become better informed and modify their decisions and actions. Several grants have been secured to help carry out our objective of more specialized programs for selected audiences. We have a grant from the Illinois Department of Agriculture where we select young, small farmers in certain southern counties and tailor an educational program for their specific needs.

"Another of our people-oriented programs is a

Consumer Homemaking Extension Program on a grant from the Illinois Division of Vocational and Technical Education. This program, which employs about 95 people on a community basis, is designed to help lower-income families manage their incomes and balance their expenditures to better meet family needs. At present over 3,300 families are enrolled in this program.

"All of these programs, we believe, contribute directly to the mission of the College of Agriculture to help people, both rural and urban, improve their lives through education. Through these changes we believe the program offerings of the University of Illinois will be enriched and that more people will be served," Claar said.





Colonial Williamsburg

The restoration of Colonial Williamsburg has enabled us to sample a taste of life as it was lived in eighteenth century America.

Duke of Gloucester Street in Williamsburg is lined with restored homes, craft houses, inns and taverns. Located on this famous street are the King's Arms Tavern and Chowning's Tavern.



Christiana Campbell's Tavern and the Williamsburg Inn are two more "must" eating places in the restored area.

This emphasis on good eating is as important as the architecture in recapturing the true essence of this bygone era.

Appetites were prodigious in those days, and it was not uncommon for a menu to feature two main courses of a dozen dishes each, graceful glasses of wine and great tankards of beer served to round out both the meal and those who enjoyed it.

The eating establishments of Williamsburg have retained this atmosphere and offer the hungry visitor a true flavor of the times.

Many of the same delectable dishes are served with a distinct Colonial flair by costumed waiters.

Some of the treats to be discovered here are Scalloped Oysters, Sally Lunn Bread, Peanut Soup, Green Gauge Plum Ice Cream, Brunswick Stew and Welsh Rabbit. Elegant desserts played an important role in the high style of Colonial dining. It was natural, therefore, that Cherries should become a favorite fruit.



The Colonial Inns of Williamsburg serve cherry desserts recreated from the hand written manuscripts which served as the

recipe books of the day. Some of the luscious desserts, enjoyed as much today as yesterday, are: Black Forest

Cherry Torte, Cherry Pan Dowdy, Cherry Trifle, Cherry Cheesecake, Cherry Tarts and Deep Dish Cherry Pie.

You are invited to share with your own guests these same historic desserts that once graced the festive tables of our Colonial America.



WILLIAMSBURG INN BLACK FOREST CHERRY TORTE (Serves 10-12)

10" chocolate sponge cake (use favorite recipe)

1 qt. whipped cream

2 oz. sugar

Kirschwasser

*1-21-oz. can red tart cherry pie filling

2 cups chocolate butter cream icing (use favorite recipe)

chocolate shavings

Slice cake in 3 layers. Prepare 1 qt. of whipped cream with 2 oz. of sugar and 1/2 cup of Kirschwasser. With a plain 1/2" tube, pipe 3 rings of chocolate buttercream on the bottom layer, leaving enough space between each to fill with cherry pie filling. Place second layer over and sprinkle with Kirschwasser, spread Kirschwasser flavored whipped cream 1" thick. Put the last layer over and spread sides and top with remaining cream. Sprinkle completely with fine chocolate shavings or grated chocolate. Dust with confectioners sugar. Decorate with whipped cream rosettes and red cherries with whipped cream on the top. Keep refrigerated.

*If water pack red, tart cherries are used follow this recipe:

1 can (16 oz.) water pack tart
red cherries

1/2 cup sugar

2-1/2 Tbsp. cornstarch

3 drops red food color
pinch salt

1/4 tsp. almond extract

1 Tbsp. butter

Drain cherries thoroughly, reserving liquid. Stir together liquid, sugar, cornstarch and food color until cornstarch lumps are gone. Cook until thickened, stirring constantly. Stir in salt, almond extract and butter. Fold in cherries, cool and use as directed.



CASCADES

CHERRY CHEESECAKE

To make 8" - 9" cake — Serves 5-6

Graham cracker crust:

- 1 cup finely crumbled Graham crackers
- 2 Tbsp. of sugar
- 1/2 tsp. cinnamon
- 8 Tbsp. unsalted butter, melted
- 2 Tbsp. soft butter

Filling:

- 4 pkgs. (8 oz.) Cream cheese
- 1 cup granulated sugar
- 4 whole eggs
- 1/2 tsp. Lemon juice
- 1/2 tsp. vanilla
- *10-1/2 oz. of Tart red cherry pie filling (1/2 can)
- Crushed macaroons

To make the crust, combine the crumbled crackers with the sugar and cinnamon. Stir the melted butter into the crumbs until they are well saturated. Grease a 8 or 9 inch spring form pan with the 2 tablespoons of softened butter, then pat an even layer of cracker crumbs on the bottom and sides of the pan. Refrigerate until filling is made.

To make filling, cream the cheese and the sugar together thoroughly, then add the whole eggs one by one, taking care to incorporate them completely. Add the lemon juice and the vanilla. Now spread the mixture into the pan. Bake in a preheated 325° oven for 40 to 45 minutes. When cheesecake is cooked turn off heat and let sit in closed oven for 1/2 hour, remove from oven and allow to cool. When cool, cover the top with the cherry filling and garnish with the crushed macaroons.

*If water pack red tart cherries are used follow this recipe:

- 1 cup drained water pack tart red cherries*
- 1/4 cup sugar
- few drops red food coloring
- few drops almond extract
- 1/2 cup cherry liquid
- 1 Tbsp. corn starch

Mix together liquid, cornstarch, sugar, coloring and almond extract in small saucepan. Cook until thickened, stirring constantly. Fold in cherries, cool, and use to top cheesecake.

*This is 1/2 the contents of a 16 oz. can. A double recipe may be made and half reserved for another use.

KING'S ARMS

CHERRY TARTS

(Serves 6)

6 Tart Shells:

- 8 Tbsp. Shortening
- 1-1/2 Cups All-Purpose Flour
- Pinch Salt
- 3-5 Tbsp. Ice Water
- 1 Pkg. Vanilla Pudding
- 1 Layer Sponge Cake
- *1 can (21 oz.) Tart Red Cherry Pie Filling
- Crushed Macaroons



To make tart shells combine shortening, flour, and salt. Working quickly use a fork to knead the flour and shortening together until they blend. Pour 3 tablespoons of ice water over the mixture all at once; toss together lightly and gather the dough into a ball. If the dough is crumbly, gradually add more water. Dust the dough with flour and cover with wax paper. Refrigerate for at least 3 hours or until firm. After refrigeration roll out the dough on a floured table until it is approximately 1/8" thick; cut out to the size of tart mold, then place in the tart mold and bake in a pre-heated 400-degree oven for 20 minutes or until golden brown. Remove from oven and allow to cool. When the tart shells have cooled completely, fill them partially with vanilla pudding. Cover the pudding with a thin layer of sponge cake. Fill the remaining space with the cherries. Garnish the border of the tart with crushed macaroons. Refrigerate before serving.

*If water pack red, tart cherries are used follow this recipe:

- 1 can (16 oz.) water pack tart red cherries
- 3 drops red food color
- pinch salt
- 1/2 cup sugar
- 1/4 tsp. almond extract
- 2-1/2 Tbsp. cornstarch
- 1 Tbsp. butter

Drain cherries thoroughly, reserving liquid. Stir together liquid, sugar, cornstarch and food color until cornstarch lumps are gone. Cook until thickened, stirring constantly. Stir in salt, almond extract and butter. Fold in cherries, cool and use as directed.



WILLIAMSBURG LODGE

DEEP DISH CHERRY PIE

(6 Servings)

- 3 cups Tart fresh red cherries, pitted
- 1 cup Sugar
- 3 Tbsp. Cornstarch
- 2 oz. Water
- pinch Salt
- 1-1/2 oz. Butter
- pinch Cinnamon
- pinch Nutmeg

Allow the cherries to set with the sugar 2-3 hours, then drain off the juice. Reserve juice. Place the cherries in baking dish. Now heat the juice in a 1 qt. pan over low heat. When the juice begins to simmer, add the cornstarch which has been diluted in 2 oz. of water. When the mixture begins to thicken, add the salt, butter, cinnamon and nutmeg. * Then pour over the cherries in the baking dish. Cover dish with your favorite pie crust and bake until golden brown. Note: the recipe for pie crust used to make the tart shells may be utilized here.

You may substitute the following recipe for water pack tart red cherries:

- 1 can (16 oz.) water pack tart red cherries
- 1/2 cup sugar
- 2-1/2 Tbsp. cornstarch
- pinch salt, cinnamon and nutmeg
- 3 Tbsp. butter

Drain cherries thoroughly, reserving liquid. Divide cherries into baking dishes. Mix together liquid, sugar, cornstarch, salt and spices in 1 Qt. saucepan, stirring until smooth. Cook, stirring, until mixture thickens. Stir in butter and follow original recipe, from *. Or you may use 1 can (21 oz.) tart red cherry pie filling, cinnamon and nutmeg.

CHERRY PAN DOWDY

- 5 cups Tart Fresh Red Cherries, pitted
- 1-1/2 cups Sugar
- 6 Tbsp. All purpose flour
- pinch Salt
- 2 oz. Butter
- 1/2 tsp. Almond extract

Allow the cherries to set with the sugar for at least 2-3 hours. Then drain and reserve juice. Combine the sugar, flour, salt, butter and drained juice. Heat in a pan over medium heat until mixture begins to thicken. Add the cherries and almond extract. Remove from heat. * Pour mixture into a deep baking dish and cover with a fluffy sweetened biscuit dough. Bake in a pre-heated 350° oven for 45 minutes. Serve hot. This may be served with a custard sauce or a cherry sauce. Recipe for Sweetened biscuit dough: Use favorite biscuit dough recipe, or a sponge cake batter may be used quite successfully.

You may substitute 2 cans (21 oz. size) tart red cherry pie filling or the following recipe for water pack red cherries:

- 2 cans (16 oz.) water pack tart red cherries
- 1 cup sugar
- 5 Tbsp. cornstarch
- 5 or 6 drops red food color
- 1/8 tsp. salt
- 1/2 tsp. almond extract
- 2 Tbsp. butter

Drain cherries thoroughly, reserving liquid. Stir together liquid, sugar, cornstarch and food color until smooth. Cook until thickened, stirring constantly. Stir in salt, almond extract and butter. Fold in cherries and then follow original recipe from *

VERY SPECIAL CLOTHES



■ The Spring '74 woman has to be a fashion aristocrat. In these tight-money times, she can't afford to buy throw-aways. Only very special clothes will tempt her refined tastes. With her wardrobe of classics and basics, she already takes quality and function for granted. Designers will catch her with well-bred fabrics, letter-perfect details. They've cleared out the trash from fashion. There'll be longer, graceful skirts, lean tops and roomy jackets, all carefully put together with perfect accessories—brimmed hats, discreet jewelry that blends with clothes, a smaller more delicate shoe. Daytimes are for softest dresses, for separates that work in well-coordinated ways. Evenings are for romantic dreams (chiffon and clinging slinks). Classics melt down into soft suit looks. Colors are naturally "up," clear bright pastels, gentle biscuits and creme, moody neutrals. Floral prints go to garden parties . . . Spring proportion: Full on top, slim below or vice versa. That's "fashion math" this Spring. Big skirts are familiar but there are alternatives. The big top flies over pants and slim skirts, day or evening. Dresses and suits are softer. Are pants out? No. siree! But Spring starts with a dress, that cleverly cut T-dress. The big challenge is the skirt-dress. The T-shirt feeling is everywhere in every fabric and shape. Sweaterdressing in another easy way with tucking, smocking, wrapping, draping and pleating—all softie devices. Separates are for the sporting life. Pants are form-fitting and soften up. "Patchwork" antiques are still around. Suits and toppers are for the easy life. The lady wears a hat this season—garden-party brims, flowers, tennis brim, "cupcake" hats. Scarves travel new places. Jewelry is discreetly there. The clunky shoe is big no-no with soft skirts. Stockings match shoes, belts blend, handbags clutch up or stay soft and squashy, gloves are light-fingered. It'll all be mixed with a double-dollop of good taste that's sure to linger for many seasons to come . . .

COUNTERCLOCKWISE FOR TOP:

David Crystal's "put-together" puts you into the swing of Spring. Suit parts coordinate or contrast, all dacron, in all navy, yellow or white with accents of red.

Freedom is the theme—a patch-pocketed smock of cotton jersey—Peter Clements.

Silky poplin, with dramatic collar and cuff detailing on a smashing self-belted rain suit from Count Romi. Paisley print blouse reflects lining of entire costume.

The wet look by Hush Puppies. A navy open toe shoe, sling back sandal that goes sportive or casual dressy, sports a mini-platform sole (lady-like platform look).

Photos—New York Couture Business Council



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FARM HOME

A varied program of exhibits and demonstrations of farm mechanization and automating equipment, a garden tractor pull and a home show will be featured at the 13th annual Southern Illinois Farm Material Handling Show to be held March 5 through 7 at the Washington County Fairgrounds near Nashville on Rt. 127.

According to Robert Wolff, show planning committee coordinator, attendance at this year's exhibit is expected to surpass last year's record-breaking crowd of over 6,000 people.

Dealers and manufacturers of a wide variety of farm, electric and home appliance equipment have expressed an interest in having a display at the exhibit.

The annual home show, popular with homemakers and home economics groups, will have an expanded role in this year's show, according to Victor Ketten, this year's home show committee chairman and director of member services for Southwestern Electric Cooperative, Greenville. An evening style show by homemakers will be an added attraction.

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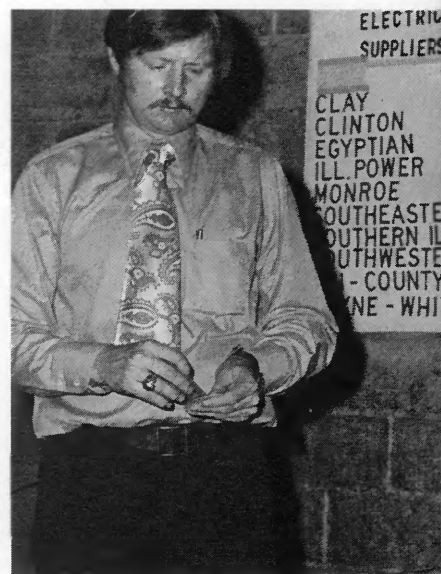
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Stan Huffman, left, power use advisor from Clinton County Electric Cooperative, Inc. and Denver Mullins, member

SHOW MARCH 5,6,7

Highlighting the Wednesday evening (March 6) program will be a garden tractor pulling contest.

The annual show is sponsored by Illinois Farm Electrification Council; the Cooperative Extension Service, University of Illinois; Southern Illinois University; Illinois Power Company and by these Illinois electric cooperatives:

Clay Electric Co-operative, Inc., Flora; Clinton County Electric Co-operative, Inc., Breese; Egyptian Electric Cooperative Association, Steeleville; Southeastern Illinois Electric Cooperative Inc., Eldorado; Southern Illinois Electric Cooperative; Dongola; Southwestern Electric Cooperative, Inc., Greenville; Tri-County Electric Cooperative, Inc., Mt. Vernon, and Wayne-White Counties Electric Cooperative, Fairfield.

Hours will be Tuesday, March 5, 11 a.m. to 9 p.m.; Wednesday, March 6, 9 a.m. to 9 p.m., and Thursday, March 7, 9 a.m. to 3 p.m. Admission is free and lunch is also available on the grounds.



service representative from Tri-County Electric Cooperative, Inc., look over their exhibit at last year's show.

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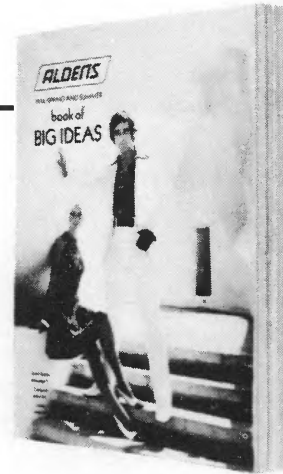
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• Wanted

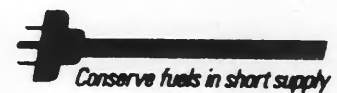
WANTED TO BUY
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9054
SIZES 8-20



9014
7-15



4980
SIZES
34-48



9447 8-18



4986
S-10½-12½
M-14½-16½
L-18½-20½



4616
SIZES 8-18



4765
SIZES
10½-18½



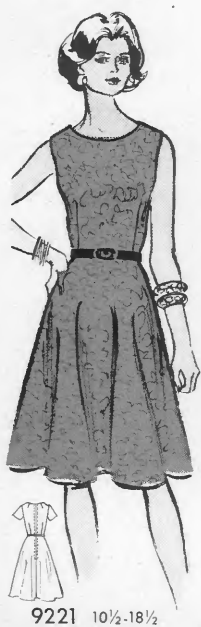
9296
8-20, 10½-20½



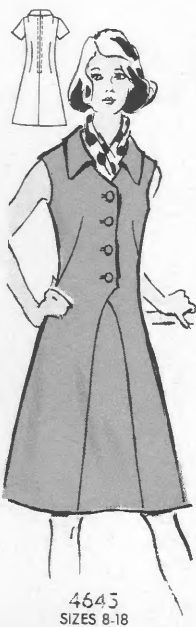
9067
10½-20½



4656
SIZES 2-8



9221 10½-18½



4645
SIZES 8-18

- No. 9054 is cut in sizes 8, 10, 12, 14, 16, 18, 20. Size 12 (bust 34) takes 2⁵/₈ yards 45-inch fabric.
- No. 9014 is cut in Jr. Miss sizes 7, 9, 11, 13, 15. Size 11 (bust 33½) takes 2⁵/₈ yards 45-inch fabric.
- No. 4980 is cut in sizes 34, 36, 38, 40, 42, 44, 46, 48. Size 36 (bust 40) takes 2½ yards 60-inch fabric.
- No. 9447 is cut in sizes 8, 10, 12, 14, 16, 18. Size 12 (bust 34) takes 2³/₈ yards 45-inch fabric.
- No. 4986 is cut in half sizes Sm. (10½-12½); Med. (14½-16½); Lge. (18½-20½). Med. size takes 4⁵/₈ yds. 45-inch.
- No. 4616 is cut in sizes 8, 10, 12, 14, 16, 18. Size 12 (bust 34) pantsuit 2³/₈ yards 60-inch.
- No. 4765 is cut in sizes 10½, 12½, 14½, 16½, 18½. Size 14½ (bust 37) takes 1⁵/₈ yds. 60-inch.
- No. 9296 is cut in sizes 8, 10, 12, 14, 16, 18, 20; and 10½, 12½, 14½, 16½, 18½, 20½. Culottes.
- No. 9067 is cut in sizes 10½, 12½, 14½, 16½, 18½, 20½.
- No. 4656 is cut in sizes 2, 4, 6, 8. Size 6 takes 1⁷/₈ yards 35-inch.
- No. 9221 is cut in sizes 10½, 12½, 14½, 16½, 18½. Size 14½ (bust 37) takes 1½ yards 60-inch fabric.
- No. 4645 is cut in sizes 8, 10, 12, 14, 16, 18. Size 12 (bust 34) dress takes 2½ yards 45-inch; scarf ¾ yards 39-inch.

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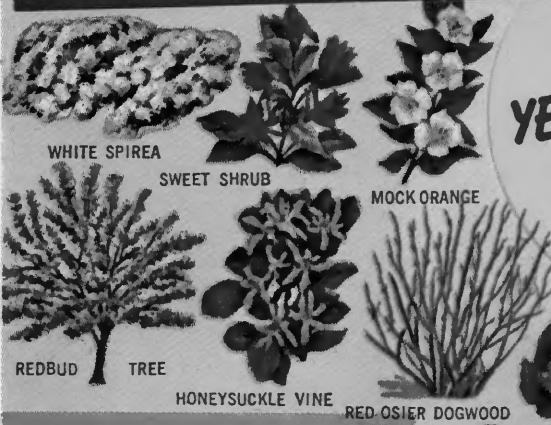
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(Populus Nigra Italica)
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This Spring For . . . each
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