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rural electric news
August, 1976

national news in review

Protect health and the economy, official says

"It's time to take stock" of the clean air drive because of its potential for serious energy and economic problems, John Hill, deputy administrator for the Federal Energy Administration, said during an interview with U.S. News and World Report.

Hill said he would prefer a clean air plan that will "hold pollution to levels that protect health, but at the same time not exact any unnecessary economic and energy penalties."

REA-financed systems help create 30,000 jobs

The Rural Electrification Administration announced that the electric and telephone systems it finances helped create almost 30,000 new jobs in rural America during 1975. The new jobs resulted from 849 commercial, industrial and community facilities projects which the REA borrowers helped launch.

More cropland available if needed

The United States Department of Agriculture's Soil Conservation Service said a recent study shows that 25 percent more land could be devoted to growing crops in this country if needed for that purpose. SCS said about 111 million acres of land not now in crops, all rated with a "high" or "medium" potential for conversion to crops, could be put to growing whenever required.

France pushes development of nuclear power

By 1985, France expects to derive 68 percent of its electricity from nuclear power plants, according to an article in the July 8 edition of the New York Times.

The article went to point out that by the end of the century, France may have 150 or more nuclear power plants operating in a region smaller than Texas, making France probably the most fully nuclear-powered country in the world.

Environmental controls cost and reduce output

One-third of the cost of a new electric generating plant in North Dakota will go for environmental controls, and an estimated 20 percent of the plant's output will be needed to operate these various control devices, according to an official of Basin Electric Power Cooperative.

Ken Ziegler, assistant to the manager of the cooperative, said \$361-million would be needed to meet environmental requirements and that the consumer will pay not only for the kilowatts he uses but also for the 20 percent that never leave the plant.

REA authorizations signed by Ford

On July 12, President Ford signed the \$11.5-billion agriculture appropriations bill, which includes authority for a \$750-million to \$900-million Rural Electrification Administration insured loan program and unlimited authority for the loan guarantee program. This legislation covers spending for fiscal year 1977, which begins October 1.

August, 1976

Vol. 34, No. 4

Published by
Association of Illinois Electric
Cooperatives

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ARTICLES

Matt Rhoades	7
'Youth to Washington' tour	8 & 9
Treating 'Fired-up' bugs	10 & 11
Job training and safety	14 & 15
Bill Dean retires	22 & 23
Radio with a viewpoint	24 & 25

FEATURES

Recipes	26 & 27
Patterns	29
Trading Post	30

COVER: Among the many Washington attractions visited by the "Youth to Washington" tour participants was the Kennedy Center for the Performing Arts. Dennis Yocom's photograph shows a portion of the Illinois group as they examine the modern structure.

ILLINOIS R.E.N. RURAL ELECTRIC NEWS is the official monthly publication of the Association of Illinois Electric Cooperatives, 6460 South Sixth Frontage Road, Springfield, Illinois 62707.

Subscription price \$2.00 per year. Advertising and editorial inquiries should be directed to the Illinois Rural Electric News, P. O. Box 3787, Springfield, Illinois 62708. National advertising representative: Southwest Dailies, 360 N. Michigan Ave., Chicago, Illinois. Member, Illinois Press Association.

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POSTMASTER: In using Form 3579, address to Illinois Rural Electric News, P. O. Box 3787, Springfield, Illinois 62708.

Second Class Postage paid at Springfield, Illinois and at additional mailing offices.

illinois rural electric news

Cooperatives formulate sound energy goals

Recommendations relating to a national energy policy, provided as testimony for the Democratic and Republican parties' platform committees by a rural electric cooperative official, serve to emphasize the widespread concern of the nation's rural electric cooperative members for a defined national policy.

Robert D. Partridge, executive vice president of the National Rural Electric Cooperative Association (NRECA), outlined for the committees a 10-point energy proposal, calling for policy aimed at full development of energy resources based upon present technology and increased research into potential energy sources.

In addition, Partridge explained for the committees the method by which the rural electric cooperatives had developed the recommendations. The procedure is every bit as important as the 10 points, in that the process which resulted in the final work involved millions of rural electric cooperative member-owners.

From regional meetings, through standing committees elected regionally and to national annual meetings—in which each member electric cooperative system has a direct vote—the formal process evolved. As Partridge told the committees, "These views have been painstakingly considered and adopted by rural electric cooperatives which represent a consensus of a geographically dispersed membership."

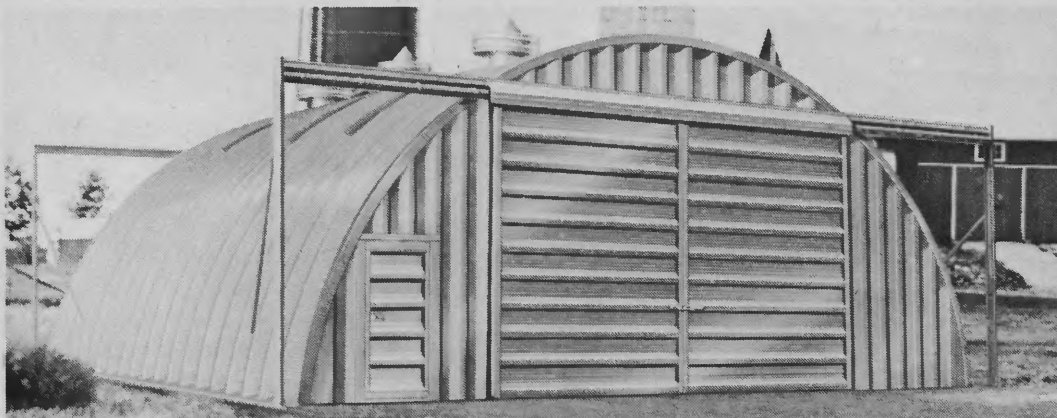
These are the 10 recommendations:

1. Develop and adopt a comprehensive national energy policy.
2. Expand energy research and development activities covering all potential energy sources but emphasizing the forms which currently appear most promising.
3. Provide additional protection for the public against monopolistic control and pricing of energy resources.
4. Further develop plans and administrative readiness which could be immediately effective to protect the nation from the effects of an oil embargo or other interruptions of oil imports.
5. Initiate those actions which will enable the United States to achieve the highest feasible degree of energy independence in the fewest years. These include conservation measures, a step-up in production of fuels on public land and the outer continental shelf, and a speeded shift from other fuels to coal.
6. Accelerate planning and construction of federal hydroelectric projects and the use of improved equipment, the object being to make maximum use of falling waters to meet the nation's critical need for electric energy. Meanwhile, federal power marketing agencies should be required to carry out the spirit and requirements preference clause in disposing of power generated at federal hydro projects.
7. Maintain as federal government functions the enrichment of uranium and the leading part of the fast breeder reactor demonstration project.
8. Establish a government corporation to develop energy resources on public lands and provide "yardstick" cost data.
9. Develop under federal leadership a master power grid plan for movement of large volumes of electricity among regions across the country in order to meet load requirements as they occur.
10. Continue the present program of rural electrification, which requires no appropriated public funds for loans but rather makes use of a revolving fund and government guarantees for private loans.

The recommendations represent both the cooperative method and an organized, well-planned approach which can serve as a realistic guide to establishing a national program leading to energy policy and development.

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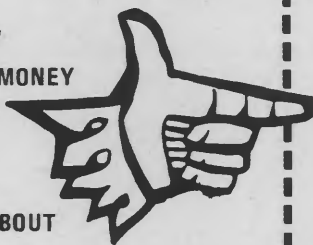


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It will be an exciting year for

Matt Rhoades



Matt Rhoades of Baylis, a representative of Illinois Rural Electric Co. of Winchester on the "Youth to Washington" tour, received the highest honor of his fellow tour members when he was elected president of the Youth Consulting Board of the National Rural Electric Cooperative Association.

When 17-year-old Matt Rhoades entered his electric cooperative's essay contest, there was no way he could have envisioned what the result would be.

Rhoades, son of Mr. and Mrs. Charles Rhoades of Baylis, knew that winning Illinois Rural Electric Co.'s "Youth to Washington" essay contest would earn him a trip to Washington and Philadelphia.

What else happened after winning the local contest has left Rhoades with a treasure of memories and anticipation of an exciting year ahead.

This change came about through Rhoades' election as president of the

newly-formed Youth Consulting Board for the National Rural Electric Cooperative Association (NRECA).

Rhoades was elected to the national position for a one-year term during the recent Illinois "Youth to Washington" Bicentennial tour June 11-19, sponsored by the Association of Illinois Electric Cooperatives in Springfield.

It started when he was the top vote-getter at a "mock" annual meeting staged by fellow Youth Tour participants in Washington to select the Illinois candidate for the new seven-member youth board.

Following a whirlwind mini-

campaign, Rhoades was elected by voting state delegates representing over 900 students from throughout the nation. As the board's first president, he will serve as official youth spokesman for the nation's more than 1,000 electric cooperative systems.

Rhoades had a memorable beginning as president when President Gerald R. Ford visited privately with him and other members of the board in the White House shortly after their election.

Members of the new youth board, approved by NRECA's Board of Directors at its summer meeting in June, will act as consultants to NRECA's youth activities program, which includes the "Youth to Washington" tour, and serve as youth representatives of the rural electrification program throughout the coming year. In subsequent years, the board is expected to include 10 young people chosen according to membership regions of NRECA.

Plans for the new board include the attendance of its members at the NRECA Annual Meeting in Atlanta, Georgia, February 20-24, 1977, where they will be presented to the membership, engage in special activities and assist the sergeants-at-arms as guides.

As president, Matt Rhoades will represent NRECA at the National FFA Convention, National 4-H Congress and other similar occasions such as the convention of the American Institute of Cooperation and the Farm Electrification Conference.

Rhoades, along with the vice president of the youth board, will also spend a week in Washington during the spring of 1977 working with the NRECA staff in a special internship program. The new youth program is expected to expand next year, involving youth from all areas of the country in a "cooperative oriented" educational program about electric cooperative systems.



'Youth to Washington' Tour:

Nothing like it U

This year's "Youth to Washington" tour was an unprecedented educational adventure for 68 Illinois young people representing 18 Illinois electric cooperatives. They were outstanding high school students from throughout the state, many of whom were winners of "Youth to Washington" essay contests.

The long-awaited Bicentennial tour featured all the pageantry and splendor that the nation's capital could muster to celebrate the 200th year of American independence. Following close on the heels of the most effective Rural Electric Rally in 10 years, the 1976 Youth Tour was one of the largest and the longest of the 16 tours sponsored by the Association of Illinois Electric Cooperatives.

For the first time in the history of the tour, an additional day was added, expanding the trip to nine days. The extra time permitted a one-day stop at Philadelphia, where students toured Independence Hall, home of the second Continental Congress; saw the famous Liberty Bell enclosed in a

newly dedicated pavilion, and took a guided tour through Valley Forge where the Americans' determination and concern for human freedom became history.

By far the students' most memorable experience of their stay in Washington came on June 16, officially designated by city officials as Rural Electric Youth Day. The Illinois delegation joined approximately 900 other high school students from 22 states and six foreign countries as special guests of President Gerald R. Ford, who greeted them in the East Room after an extensive VIP tour of the White House interior.

Addressing the group in regard to ending U. S. dependence on foreign energy sources, the President urged increased production and utilization of coal, expanding the use of nuclear power and developing alternate energy sources such as solar, geothermal and wind power.

Referring to the historical sites which students visited, Ford said: "I hope you feel a sense of involvement

in America's adventure. As leaders, you are dynamic participants and your contributions can be tremendous."

Illinois students formed a center aisle in the East Room where the President, Agriculture Secretary Earl Butz and other dignitaries passed. As Ford made his exit, many students shook hands with him, while others moved in for close-up photographs to grace the pages of picture albums back home.

Another first for the tour was a visit to the Japanese Embassy where the Illinois group was shown an authentic Japanese tea garden built at the request of the emperor for use during his visit to the U. S. earlier this year.

A guide explained the significance of the emperor's tea house, constructed entirely of materials from Japan; a miniature rock garden depicting the Japanese islands, and a tropical pool for the imperial fish, brightly colored carp valued at \$2,500 each.

Setting another precedent, the Illinois entourage was honored by a



efore

private audience with Associate Supreme Court Justice John Paul Stevens of Chicago. Stevens, who was sworn in on December 9, 1975, spoke candidly with students and answered questions. Many students were amused to learn that one of the duties of a "junior" Supreme Court Justice is to answer the door to the chambers of the Chief Justice during the court's private deliberations.

Following a Youth Day panel discussion with Senator Tom Eagleton of Missouri and Representatives Charles Thone of Nebraska and Marilyn Lloyd of Tennessee, Illinois students' pride swelled as yet another precedent was set. An Illinois student, Matt Rhoades of Baylis, was elected president of the newly formed Youth Consulting Board for the National Rural Electric Cooperative Association (NRECA), Washington, D. C.

Voted the Illinois candidate by fellow tour participants during a "mock" annual meeting, Rhoades

(continued on page 18)



FROM TOP LEFT: At the Embassy of Japan, students crowded in close for a look at the imperial fish, a brightly colored carp, brought from Japan at the request of the emperor. The Illinois delegation hurries on to a Congressional luncheon after a visit to the Capitol Building. Representative George Shipley of Olney hosted a Congressional breakfast for the Illinois group and spoke candidly with students, urging their active participation in governmental affairs. A highlight of the tour was Washington National Cathedral with its towering spires and ornate stained glass windows.

CLOCKWISE FROM RIGHT: Bev Verheye displays a ceramic rabbit painted with an airbrush. Bob checks out some newly fired mugs. Steins in various stages of completion: greenware, bisque and fired.



Bob & Bev Verheye treat 'fired up' ceramics bugs

Bob and Bev Verheye warn their students that they may contract a contagious malady for which there is no medication. The Verheyes do, however, have a remedy.

They run the B & B Ceramics Shop in Geneseo, Illinois, and, although the students' ailment isn't fatal, there seems to be a rush in Geneseo to "take the treatment."

The treatment is simple: attend as many ceramics classes as possible.

At the B & B Ceramics Shop, where the Verheyes sell finished ceramics products as well as offer classes, the prospective students are warned as they enter the basement shop, located at the Verheyes' home.

A large sign describes the symptoms of "ceramic fever." It also suggests the "cure."

Apparently, many people in the Geneseo area have had the fever, because the Verheyes are expanding their operation. Bob has recently finished work on a three-by-16-foot pouring table to replace the old one, which boasted about 20 square feet of working surface. They've also installed a new kiln to speed up their service.

"This kiln was big enough when we started," Bob says, "but we've just outgrown it. It got to the point where we were firing every day and still not keeping up. We needed a bigger one, and we're going to keep the old one, too. The new one is about twice as big as the old. As it was, we could only fire once a day because the kiln was on for six hours and it takes 11 hours to cool.

"For a while there," he relates with a smile, "Bev would get up in the middle of the night to empty the kiln and set up another batch for firing. Now, with two kilns, we'll be able to keep up better. You've got to keep the customer happy."

With that in mind, they've accumulated more than 600 molds of many shapes and sizes, and are always on the lookout for more.

"We ordered about 20 new molds not too long ago to improve our selection," Bev says, "and we went to Wichita in early July to pick up some more. We stopped by Omaha to look over the offerings there, and took in the Midwest Ceramics Show in Milwaukee, where we picked up some supplies."

But a large selection of molds doesn't necessarily a good ceramics business make, so the Verheyes regularly attend workshops and seminars held by paint and supply manufacturers to keep their dealers abreast of the latest techniques. They then return home to pass on those techniques to the 35 members of their ceramics classes.

A recent addition to their equipment list is an airbrush.

"Airbrushing's just another technique to give you a different effect," Bev remarks, "and it's especially helpful where you need to do a lot of shading, or blending one color into another." Walking to a shelf on the wall, she picked up a foot-tall rabbit. "See how these colors blend into each other?" she asks, "That's

done with an airbrush. On the other hand, there are some situations where you want a definite line between the colors, and that's where you'd use a paint brush. But when you want to, you can do a much faster job of shading with an airbrush."

The Verheyes use a liquid clay to make their greenware, and the students clean off the mold marks and prepare the object for its first firing, which is done by the Verheyes. The product emerges from the kiln as bisque and is ready for the next step in the process. If it is to be stained, the new owner does that, applies a coat of sealer, and the job is done.

If the student wants to put a glaze finish on the piece, they paint it to their satisfaction and it's fired again at 1800 degrees. This gives it a glazed, porcelain-like finish and adds durability. The kilns are heated by electricity supplied by the Farmers Mutual Electric Company in Geneseo.

"The stained pieces aren't as durable as the glazed ones," Bev notes. "You can wipe them off with a damp cloth without hurting them, but the glazed ones can be washed in a dishwasher."

Bev got fired up in the ceramics business by an aunt who lived in Dixon and has been involved in ceramics for several years. B & B Ceramics has been in business for two years, she says. In addition to greenware, they also sell paint, stains, music boxes, electrical goods for ceramics, and harps for lamps. "In short," Bev says, "a full line of ceramics supplies."

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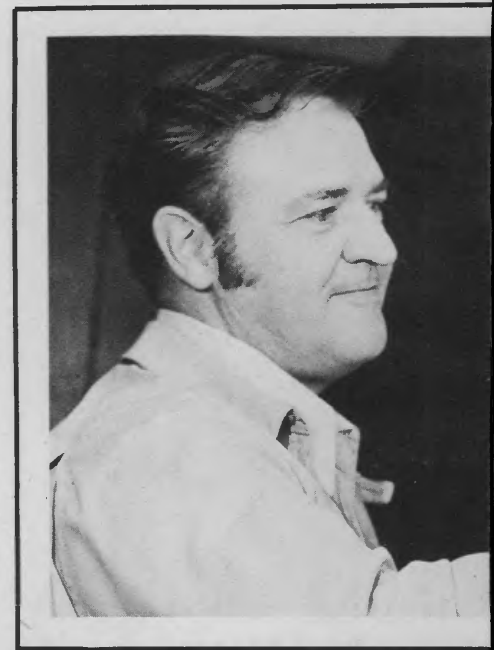
High atop a bucket truck, a lineman works to replace a shot-out insulator, while a few hundred yards down the road a dairy farmer unconcernedly uses electricity to milk his cows. He's not using a standby generator—the line is “hot,” vibrant with electrical energy, and the lineman is using a combination of “hotstick,” “rubber gloving,” and “coverup” to protect him from the high voltage surging through the line. As further protection, the truck has a non-conductive boom to further insulate him from the ground.

“Hotline” work involves the use of specialized equipment to service energized lines, helping prevent many of the inconvenient outages that many members have experienced in the past. Hotsticks are long, non-conductive poles linemen use to eliminate the necessity of touching energized lines, coverup materials are insulating mats that are used to cover some portions of lines so linemen won't come in contact with them while working, and rubber gloves, of course, are just that—

first-line insulation protection.

In order to work on “hot” lines, linemen need the finest training available and equipment they can trust. Richard “Slim” Rutschke and Donald G. Moranville, job training and safety instructors for Illinois electric cooperatives, provide the training. And, they also run tests on the “hotstick” equipment twice a year to make sure it's safe.

Slim and Don also help conduct the annual four-week “Hotline Training School,” developed in conjunction with the Illinois Department of Vocational Education and Southern Illinois University/Vocational Technical Institute at Carbondale. Started in 1954, the school is only one of many duties the two men handle, under the guidance of the Association of Illinois Electric Cooperatives Job Training and Safety Committee and coordinated by Lyle Dunham, director of the AIEC Member Services Department. Donald E. Van Houten works with the JT&S department, too. He's training to present first aid classes, and

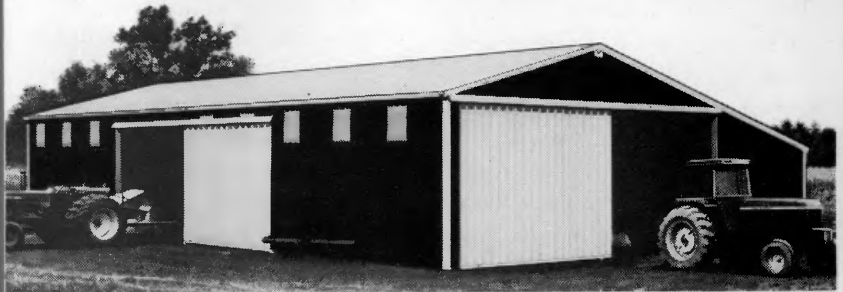


ships off the “rubber glove” and “coverup” materials for testing, to make sure they're nonconductive and safe to use. The Job Training and Safety Department became part of the cooperative scene in the 1940's.

(continued on page 20)

SAVE COOL CASH

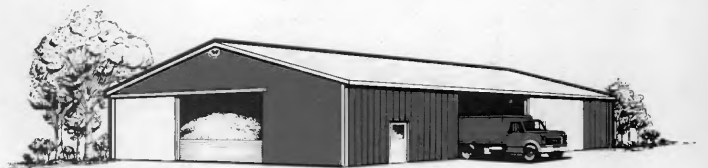
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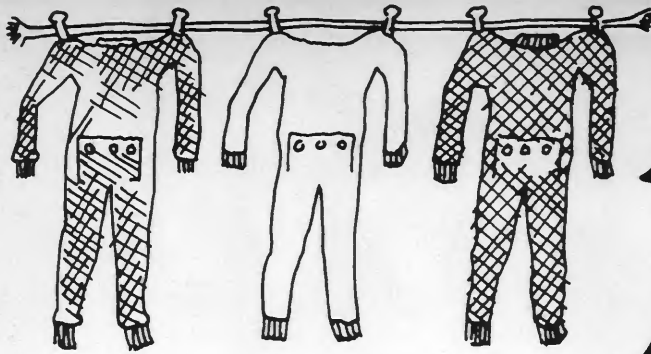
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Safety



TOP PHOTO: Richard "Slim" Rutschke explains the finer points of bandaging during a multi-media first aid class. ABOVE: Don Moranville at the blackboard.



Abigail Co An Electric

Look in this bicentennial year at your own home—particularly if it now is served by a rural electric system—undoubtedly reveals a marked contrast with its appearance as recently as a half-century ago. And even your modest home today might look pretty good if compared with our nation's "first home"—the White House—as it was equipped during the residency of about two-thirds of our Presidents.

Electric lights? You take them for granted, but the first 21 Presidents who lived in the White House had to get along without them.

Running water? For the first half-dozen Presidents, it was servants who did the running, with water resting quietly in buckets.

In case you've forgotten, George Washington was the only President who never lived in the White House. While he was in office, the United States capital was New York and then Philadelphia, and the President lived in both cities. But he helped manipulate things so the new Federal City, which came to be named Washington, D.C., was located near his home at Mount Vernon, Va. Washington is said to have dickered for the land where the President's House was to be located, overlooking the marshy Tiber River near the Potomac, and he got to Mount Vernon often enough to keep an eye on the progress of the new buildings going up in the Federal City.

John Adams was near the end of his one term as President when the time came in 1800 to move the government to the Federal City, and John and Abigail Adams moved into the big, chilly, unfinished President's House. You've heard the story about Abigail hanging the family wash in the space

that's now called the East Room. She was pretty unhappy about that, and both of them were unhappy about Adams' being defeated in the election of 1800 by Thomas Jefferson. So they were glad to get back to their smaller, but snug, house in Braintree, Mass., the next spring.

When Jefferson was the tenant, the inside of the White House was fairly well finished, but light came from candles and oil lamps, heat came from fireplaces and stoves, and water came in buckets. That's the way it was then in every house.

President James Madison had a bathtub installed in the executive mansion in 1814, but the water had to be heated on a stove and carried in a bucket. And the bathtub didn't get much use because in that same year the British invaded Washington and burned the President's House. It was refurbished in time for James Monroe to move in as President in 1817, and the exterior for the first time had a coat of white paint to cover the signs of fire and smoke. But the sources of light, heat and water continued as before.

As new equipment was invented and manufactured, however, it was installed in the White House, usually long before it came to most other U.S. homes.

The first President to take a White House bath in a tub with running water and a drain was that backwoodsy character, Andrew Jackson. Other indoor plumbing was installed at the same time—about 1834—and Jackson, though elected as an antiaristocrat, enjoyed living with aristocrats' conveniences.

When William Howard Taft took over the White House in 1909, he

foresaw problems with his 330 or so pounds in an ordinary bathtub. So he had an oversize tub installed. Before it left the factory, four of the workmen climbed in and had their picture taken sitting in the President's bathtub.

After running water, the next improvement was in the form of brighter light—gaslight—for James K. Polk in 1848. About five years later, when Franklin Pierce was President, a coal-burning furnace was installed and most of the stoves and some of the fireplaces were replaced. From that time on, the White House was warm in winter, but it was 80 years later—in 1933—before offices in the wings were cooled in summer for the benefit of Franklin D. Roosevelt and his staff. Air conditioning was added in the main residence area during Harry S. Truman's administration.

The first telephone was installed for the use of Rutherford B. Hayes in 1877, only a year after Alexander Graham Bell had received a patent and had demonstrated his new gadget at the nation's first world's fair, in Philadelphia.

Electric lights replaced the gas mantles in 1891 when Benjamin Harrison was President. This was a dozen years after Thomas A. Edison had produced the first light bulb. A lot of things that were operated by electricity came later. President Theodore Roosevelt was the first President to permit motion pictures, another Edison invention, in the White House, and they were shown often in the East Room during President Taft's administration. When Woodrow Wilson was President, movies reportedly were shown for the first time on the White House lawn. Calvin Coolidge saw and heard the first talking pictures in

ould Have Used Dryer

1927, a few months before they were shown in commercial theaters.

Because they were in the White House at the right times, Theodore Roosevelt and Warren G. Harding get credit for several presidential firsts—Roosevelt in transportation and Harding in electronics.

T. R. was the first President to ride in an automobile and in a submarine and was the first ex-President to ride in an airplane. His first automobile ride took place in 1902 in Hartford, Conn., and the car was electrically powered by batteries. But the official transportation for the President around Washington continued to be a horsedrawn carriage. T. R.'s successor, Taft, was the first President to do most of his local traveling in a car. Taft converted the White House stables into a garage and brought in a fleet of four cars—two Pierce-Arrows, a White steamer and a Baker electric.

Yet when it came to inauguration day, with the traditional procession

from the Capitol to the White House, horses still had the honor of transporting Theodore Roosevelt, Taft and Wilson. Someone must have had a mental picture of 10,000 spectators joyfully shouting, "Get a horse," at a newly anointed President in a broken-down car. Finally in 1921, Harding gambled that a car could make it, and rode to and from his inauguration in an automobile. He also was the first President who could drive a car when he entered office.

Presidents stayed on the ground until 1932, when Herbert Hoover became the first to ride in an airplane. Truman added airplanes to the President's regular transportation fleet, beginning about 1947. One President was a qualified pilot: Dwight D. Eisenhower got his wings while he was a lieutenant colonel in the army, but so far as the records show, he never actually piloted a plane while he was President. He was the first chief executive, however, to make use of a

helicopter while in office.

The White House has been enlarged several times since 1800, principally to provide more office space, but even with all the things that have been added it's not as big or lavish as some of the proposals that have been made. If Benjamin Harrison's wife and her architects had had their way, for example, the White House would be a castle rather than a house. The latest major overhaul began in 1948, when President Truman noticed the floors in the family living quarters were shaky and became afraid that daughter Margaret's grand piano might fall through. He was right. Engineers decided the additions through the years were just too heavy for the 150-year-old walls and foundation. So the Trumans and the piano moved across the street to Blair House for almost four years; everything inside the original part of the executive mansion was torn out and new walls, floors—in fact a brand new house, all of it supported by steel—were built inside the old walls. From the outside, the White House looked just the same.

An indoor swimming pool, which has been installed in Franklin Roosevelt's time, was covered over at Richard M. Nixon's behest to provide an enlarged press room. After the presidency went to Gerald R. Ford, a swimming enthusiast, private contributions made possible the addition in 1975 of a new pool on the south lawn. Consideration was given—but later dropped—to providing a solar heating system for the pool, for which a 54-kilowatt electric heater was installed.

The White House has a lot to recommend it: It's sturdy, it's warm, well lighted, air-conditioned, has hot and cold running water, is convenient to the office, and the price is right. But it's also a symbol, a shrine, a tourist attraction, and only incidentally a home. Maybe that's why most recent leaseholders have wanted to spend so much of their time somewhere else.

William Howard Taft, a hefty 330-pounder, needed a special tub—before it left the factory, four workmen climbed in and had their picture made.





'Youth to Washington' Tour:

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(continued from page 9)

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conducted a whirlwind campaign and was subsequently elected by state delegates representing over 900 students from throughout the country. He will serve as the official youth spokesman for the nation's more than 1,000 electric cooperative systems and represent NRECA at national youth functions, including the National FFA and 4-H conventions.

Illinois students were the special guests of Senator Charles Percy in the U. S. Senate Gallery during debate on national energy legislation. After leaving the Senate floor to meet with the students on the Capitol steps, Senator Percy spoke briefly on the great need for a more effective national energy policy. Senator Adlai Stevenson also took time from his busy schedule to meet with the Illinois tour participants and answer questions.

Representative George Shipley of Olney hosted a congressional breakfast for the students, who were joined by Representatives Paul Simon of Carbon-dale and Tim Hall of Dwight. Repre-

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On their final afternoon in Washington, Illinois students enjoyed swimming and lounging in the Marriott pool before the long trip home. A tasty poolside lunch was prepared for the group and relaxation was the order of the day.

sentative Shipley spent nearly an hour fielding poignant questions on a variety of subjects, including welfare, unemployment and aid for education.

In addition to touring the historic sites and buildings in and around Washington, the Illinois ambassadors enjoyed a three-hour boat cruise on the Potomac River; visited the headquarters of NRECA; toured the U. S. Department of Agriculture which houses the Rural Electrification Administration; toured the Civil War Battlefield in Gettysburg, Pa.; danced to rock music at "The Happening," and ate everything from lobster and crab at the Flagship Restaurant to hamburgers and shakes at McDonald's.

Each day of the 1976 "Youth to Washington" Bicentennial tour was crammed with activities. Nothing was left to chance in making the tour an interesting and enjoyable learning experience. It was a rare opportunity for 68 remarkable young people to see where American history was made, trace the footsteps of our nation's greatest patriots and statesmen and become comrades sharing an unforgettable adventure into America.

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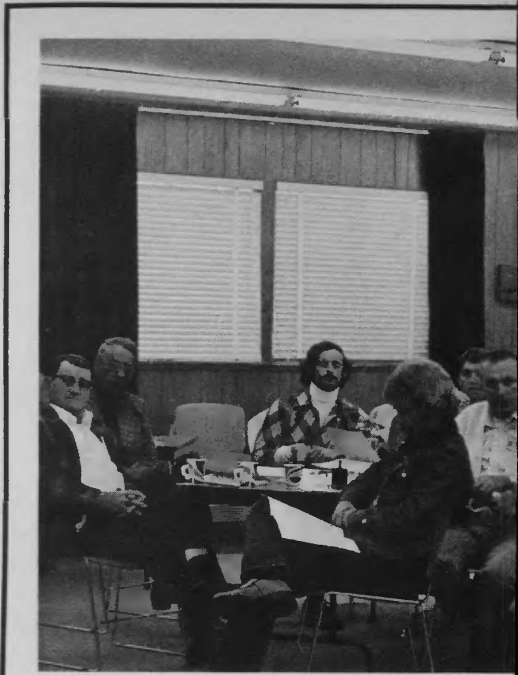
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Inseparable elements Job Training and Safety

(continued from page 14)

Moranville and Rutschke spend many hours in the bright yellow AIEC cars and live out of suitcases for days at a time. One day, they may be at a cooperative headquarters giving first aid instruction and half way across the state the next, teaching lifesaving techniques and the skills of accident prevention. Then, they may rush off to attend classes, to keep up on the latest information.

Now, they're training for another job: they'll soon be teaching cardiopulmonary resuscitation, a combination of mouth-to-mouth resuscitation and external heart massage. Like the Standard Multi-Media First Aid Course they now teach, it will be an eight-hour course.

The job training and safety instructors also help with a one-week meter school in Mattoon, covering all phases of electric metering applications. They also conduct schools to keep linemen aware of the latest information and techniques in Underground Rural Distribution, or URD. "The classes cover burying high and low voltage cables, finding faults

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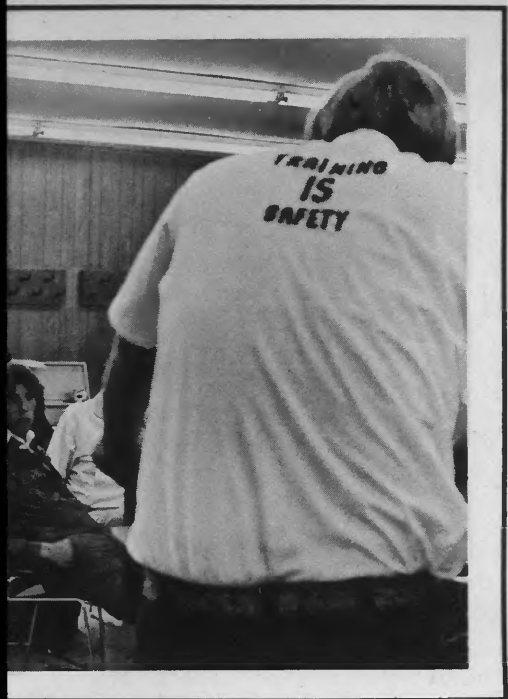
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nts—
Cooperative personnel attend a URD (Underground Rural Distribution) class to learn the latest techniques in the relatively new field of "burying" power lines. The speaker's shirt expresses the philosophy of the Job Training and Safety Department.

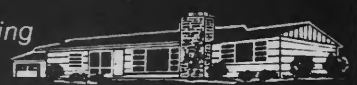
in them, the application of new materials and equipment, and using fault-finding equipment," Rutschke says. Classes are also held relating to accident causes and prevention, transformer connections, oil circuit recloser maintenance, fusing coordination and repair, and human relations. The instructors also provide review classes in first aid.

"We bring out new ideas in equipment and material, make tool inspections and try as much as we can to see that the cooperatives are staying within OSHA requirements," Rutschke says, "and we're also responsible for the safety and accreditation program and the inspections that go along with accreditation."

They also conduct field meetings and observe cooperative personnel at work to determine if they can help the cooperative men do their jobs more safely.

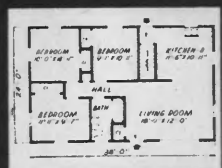
Another important function the Job Training and Safety department serves is the coordination of repair work among the cooperatives in the event of a tornado or severe ice storm to keep outage time to a minimum.

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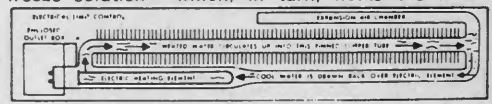
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Dean honored upon retirement; Ruzich named EEE director

William E. (Bill) Dean (center), director of the Energy, Environment and Engineering Department of the Association of Illinois Electric Cooperatives since its creation in 1968, retired August 4. Richard R. Ruzich (right), assistant director of the department since 1973, has been named director of the department by Thomas H. Moore (left), executive vice president of the AIEC.



A career that spanned 42 years as a professional engineer and executive, including the past eight as Director of the Energy, Environment and Engineering Department of the Association of Illinois Electric Cooperatives, ended August 4, with the retirement of William E. (Bill) Dean.

Dean, whose career included nearly 30 years of service with the Tennessee Valley Authority and four with the Federal Power Commission, joined the AIEC staff in 1968 to direct the newly created Power Supply Department. The department's functions changed over the years and a name change was effected this year to reflect the changing scope of services by the department and the needs of electric cooperatives in Illinois.

Richard R. Ruzich, assistant director of the department since June, 1973, has been named director, according to Thomas H. Moore, executive vice president of the AIEC.

On July 22, the AIEC Board of Directors honored Dean, his wife, Mildred, and daughter, Mrs. Norris Cline, during a luncheon in Springfield. At that time, Stanley Greathouse of Johnsonville, president of the AIEC Board, lauded Dean, noting that the retiring department director had given unselfishly of his time, energy, talent and abilities. "We're going to miss him greatly," Greathouse said.

S. J. Miller of Fairfield, manager of Wayne-White Counties Electric Cooperative, read a resolution from Soyland Power Cooperative in which

Dean's contributions to Soyland were recognized.

The resolution praised Dean for his "exemplary knowledge, skills and expertise in all facets of engineering, law, rhetoric and human relations. . . employment of his many skills to Soyland Power Cooperative's pursuit of its goals and objectives far in excess of normal call of duty" and stressed that Dean has "saved Soyland Power Cooperative, Inc. thousands of dollars in consulting fees and has provided expert advice and leadership in Soyland's attempt to own its base-load requirements in the nuclear plant under construction by Illinois Power Company near Clinton. . ."

The resolution commended Dean for postponing his retirement schedule to "ensure Soyland's future as a power supplier for its 15 member distribution cooperatives."

Miller, treasurer of Soyland Power Cooperative, presented the resolution in the absence of Walter Smith of Champaign, manager of Illini Electric Cooperative and president of the federation.

The resolution further extended "best wishes for a care-free, enjoyable, long-lasting retirement."

Several persons joined Greathouse and Miller in the tribute. Jack Ludwig of Fithian, president of Eastern Illinois Power Cooperative of Paxton, read a resolution from EIPC, expressing appreciation for Dean's good advice and wise guidance to the association and to rural electrification. "Your energy and zeal have been an inspiration," Ludwig said.

Ralph Erb of Ipava, president of the ILLINOIS RURAL ELECTRIC NEWS



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boards of both Spoon River Electric Cooperative of Canton and Western Illinois Power Cooperative of Jacksonville, expressed appreciation for his services to the electric cooperatives and told Dean, "It's been a pleasure working with you."

Jack Compton of Greenville, manager of Southwestern Electric Cooperative and vice president of Soyland Power, characterized Dean as "unselfish and dedicated."

Moore said, "When you employ someone, you can expect a capable, technical job. Any more than that is a plus. With Bill Dean, we got a lot of pluses. Bill's one of the most considerate men I've ever met, and I've never met a person with a wider scope of knowledge relating to electrical engineering, electricity and the electrical industry."

Dean is a native of Owensboro, Kentucky, and was graduated from the University of Tennessee with a degree in electrical engineering in 1934. He also completed additional studies at Harvard University and the Massachusetts Institute of Technology and served as an electronics officer in the Naval Reserve during World War II. His last seven years with the TVA was as chief of the power research staff. He served the FPC as head of the section of interconnection and coordinator of the Bureau of Power. While with TVA, Dean spent a year on loan to the federal government atomic energy laboratories at Oak Ridge, Tennessee, and, while with the FPC, he served as a specialist on research and nuclear power development.

Ruzich, a 1968 graduate of the University of Missouri at Rolla with a bachelor of science degree in electrical engineering, worked for five years as an engineer with Illinois Power Company before joining the AIEC staff.

During his first two years with IP, Ruzich worked in Danville as an assistant service area engineer before moving to Decatur as a regional planning engineer. In Decatur, he worked on long-range planning for electrical distribution and subtransmission systems for IP.

A native of West Frankfort, Ruzich is a registered professional engineer in Illinois and a member of the Illinois Society of Professional Engineers.

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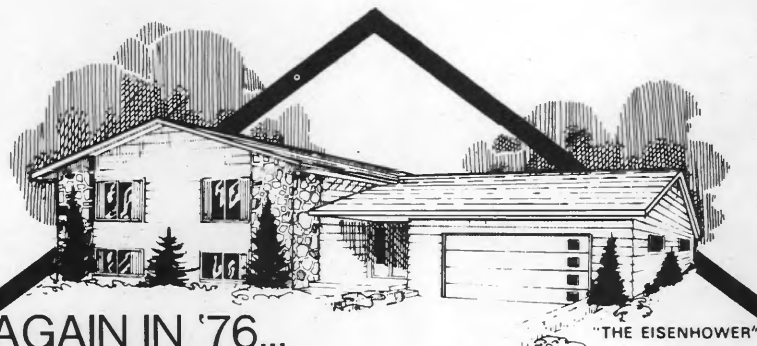
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WLBH— a station with a viewpoint

*CLOCKWISE FROM BELOW:
Visitors to the headquarters and
studios of WLBH in Mattoon
find the interior a departure
from many of today's less
decorative. The exterior, of
Williamsburg-Southern Colonial
design, gives no hint of the
building's use. J. R. Livesay
shows a unique feature,
stained-glass in a chapel-like
area.*





WLBH in Mattoon isn't your ordinary radio station.

That's mostly because of J. R. Livesay, who's owned and operated the station since it first went on the air in 1946.

Livesay and his station are unusual for a number of reasons.

For one thing, he's a man with heavy demands on his time. He owns two other stations, one in Clinton, Illinois, and another in Van Wert, Ohio. On most days, his schedule is extremely tight. To meet such time requirements, Livesay pilots his own plane, relying on 30 years and 3,600 hours of flying experience.

Secondly, he prides himself in being an influential member of the Eastern Illinois listening community his station serves. That influence is due in part to what he describes as the longest running radio editorial in the nation.

"The editorials went on the air in May of 1950," Livesay explained, "with our basic idea being, to rightfully take its position in the community, a radio station should express an opinion."

Since then, Livesay said, he's been "threatened with boycotts and cussed and discussed." To stand up to all the replies, Livesay explained, it's necessary to be "thick-skinned."

Livesay stated his philosophy simply, "I'm trying to stimulate serious thought on serious matters."

How does he do all that editorial writing?

"Most of it's done at home, on tape," he pointed out. "I read a number of periodicals and organizational magazines and the station personnel save news items they think might be subjects for editorials," he said.

Livesay's building is unique, too.

Driving along U.S. 45 north of Mattoon, motorists can't miss the imposing red-brick, white-trim, Williamsburg-Southern Colonial design building projecting from green fields. The two-story structure, complete with columns, just doesn't conform to the image most people have about radio station buildings. There are any number of new, modern station headquarters across the country, but there are few so distinctly unusual as Livesay's.

Coles-Moultrie Electric Cooperative of Mattoon provides electric service for WLBH and Livesay has seen to it that the building was constructed to utilize the electric energy in a conservative manner.

Livesay has employed up-to-date insulation techniques to save hundreds of dollars annually in the all-electric building. All outside walls are 12 inches thick, consisting of the outer brick, foam board insulation and hadite brick. Most of the inner walls are paneled. The concrete floor is insulated from the outside foundation wall with foam board and the ceiling is insulated with fiberglass batts or blanket insulation.

The heating and cooling techniques are quite unordinary, yet are surprisingly simple.

Transmitters necessary to deliver the station's signals produce extraordinary heat—enough, in fact, to provide the 6,730-square-foot building with heat sufficient to warm the offices and studios until the outside temperature goes below 40 degrees, Livesay pointed out.

The heart of the system is the 14-by-26-foot transmitter room at the rear of the building. The heated air is forced up and into a duct running about 70 feet toward the front of the structure. The flow back to the transmitter room is by way of an open hallway. The recirculated air is reheated and pushed through the ductwork over and over.

In the summer, Livesay indicated, air is drawn through filters directly from the outside into the transmitter room and straight out the roof without going through any part of the building. Livesay said this system saves

(continued on page 28)



CAREFREE COOKOUT

Plan a bountiful back yard meal around Flank Steak A La Blue, marinated and charcoal-broiled. Serve with simple country-style accompaniments like sliced tomatoes, buttered corn roasted on the grill and milk. Top it off with Fudge-Frosted Peanut Butter Cake.

FLANK STEAK A LA BLUE

- | | |
|----------------------------|-----------------------------------|
| 1/3 cup white wine vinegar | 1 clove garlic, sliced |
| 1/3 cup water | Freshly ground pepper |
| 2 tablespoons soy sauce | 1 1/2-2 pound flank steak, scored |
| 1 medium onion, sliced | 1/4 cup crumbled Blue cheese |

In shallow dish prepare marinade by combining vinegar, water, soy sauce, onion, garlic and pepper. Marinate steak at least 6 hours, turning occasionally. Place steak 4-5 inches from coals; broil 5-7 minutes. Turn and sprinkle with Blue cheese. Continue to broil to desired degree of doneness. Place on serving platter. Slice in thin diagonal slices across grain. 6 servings.

FUDGE-FROSTED PEANUT BUTTER CAKE

Cake:

- | | |
|--|----------------------------|
| 3/4 cup (1 1/2 sticks) butter | 3 eggs |
| 3/4 cup creamy peanut butter | 2 cups all-purpose flour |
| 2 cups firmly packed light brown sugar | 1 tablespoon baking powder |
| 1 teaspoon vanilla | 1/2 teaspoon salt |
| | 1 cup milk |

Fudgy Peanut Frosting:

- | | |
|---|--------------------------------|
| 1 package (6 oz.) semi-sweet chocolate pieces | 1 1/2 cups confectioners sugar |
| 1/3 cup evaporated milk | 1/2 cup chopped peanuts |

To prepare Cake: In a large mixing bowl cream together butter and peanut butter. Add sugar; beat thoroughly. Add vanilla. Beat in eggs one at a time. Sift together flour, baking powder and salt; add to creamed mixture alternately with milk. Turn into buttered baking pan, 13 x 9 x 2-inch. Bake 45-50 minutes at 350 degrees. Cool on wire rack. To prepare Frosting: In a 1-quart saucepan heat chocolate pieces in evaporated milk over very low heat, stirring constantly, until mixture is smooth and thick. Remove from heat; stir in sugar until smooth. Spread on cake; sprinkle with peanuts. Note: If frosting becomes too stiff, add more evaporated milk.

ITALIAN STYLE

■ *Italy, the boot peninsula of Europe, is noted for very colorful and flavorful food. Tomatoes, green pepper, garlic, Parmesan cheese and herbs such as sweet basil and thyme are the basis of many recipes carrying out the Roman theme.*

CHICKEN CACCIATORE

- | | |
|--|---|
| 1/4 cup (1/2 stick) butter | 1 can (8 oz.) tomato sauce with mushrooms |
| 3 pounds broiler or fryer chicken pieces (breasts, legs, thighs) | 1 teaspoon salt |
| 1 cup finely chopped onion | 1/2 teaspoon pepper |
| 3/4 cup chopped green pepper | 1/2 teaspoon leaf thyme |
| 2 cloves garlic, crushed | 2 bay leaves |
| 1 can (1 lb.) tomatoes | Dash of cayenne pepper |

In skillet melt butter; brown chicken. Remove chicken; lightly brown onion, green pepper and garlic. Place chicken back in skillet, spooning onion-green pepper over. In a mixing bowl stir together undrained tomatoes, tomato sauce with mushrooms, salt, pepper, thyme, bay leaves and cayenne pepper. Pour over chicken. Bring to boil, reduce heat and simmer, uncovered, 30-40 minutes or until chicken is fork tender. Remove bay leaves. Transfer chicken to warm platter. Skim any extra fat from sauce; spoon sauce over meat.

BUTTERED CHEESY NOODLES

- | | |
|--------------------------------------|--------------------------------|
| 1 package (8 oz.) egg noodles | 1/4 cup grated Parmesan cheese |
| 1/4 cup (1/2 stick) butter, softened | Grated Parmesan cheese |

Cook noodles as directed on package until tender; drain. Toss with butter and 1/4 cup grated Parmesan cheese. Pass additional grated Parmesan cheese, if desired.

ITALIAN GREEN BEANS

- | | |
|--|----------------------------|
| 2 package (10-oz. each) frozen Italian green beans | 1/4 cup (1/2 stick) butter |
| 1/4 cup water | 1/2 teaspoon salt |
| | 1/4 teaspoon sweet basil |

In saucepan place beans, water, butter and salt; cover and bring to boil. Stir to break up beans. Bring to boil again, reduce heat to simmer and cook until just tender, about 8 minutes. Toss with sweet basil.

SCAMPI

- | | |
|-----------------------------|-------------------------------|
| 1 lb. large raw shrimp | 2 tablespoons chopped parsley |
| 1/2 cup butter or margarine | 1 teaspoon grated lemon peel |
| 1/2 teaspoon salt | 1 tablespoon lemon juice |
| 2 cloves garlic, crushed | Lemon wedges |

Shell shrimp; leave on tails, with their shells. Devein. Wash under running water; drain. Melt butter in a baking dish, in oven. Add salt, garlic, and 1 tablespoon parsley; mix well. Arrange shrimp in single layer in baking dish; bake uncovered 5 minutes at 400 degrees. Turn shrimp. Sprinkle with lemon peel, lemon juice, and remaining parsley; bake 8 to 10 minutes longer, or just until tender. Arrange shrimp on heated serving platter. Pour garlic-butter drippings over all. Garnish with lemon.

POLENTA

- | | |
|-------------------|------------------------|
| 1 tablespoon salt | 2 cups yellow cornmeal |
|-------------------|------------------------|

Bring 4 cups water and the salt to a full rolling boil in a skillet. Slowly add cornmeal, stirring constantly with wire whisk—mixture will get very thick. With spatula, smooth top. Turn heat very low, and cook uncovered without stirring, until thick crust forms around edge and mixture is firm—about 20 minutes. To serve: With spatula, loosen around edge and underneath. Invert on large round platter. Spoon Chicken Cacciatore and sauce over polenta.

TAGLIARINI

- | | |
|--|---|
| 2 tablespoons olive or cooking oil | 2 teaspoons salt |
| 1 cup finely chopped onion | 1 teaspoon oregano |
| 3/4 cup finely chopped green pepper | 1/2 teaspoon pepper |
| 2 cloves garlic, crushed | 1/4 teaspoon allspice |
| 2 lbs. ground beef | 1 1/4 cups grated Cheddar cheese |
| 2 cups canned tomatoes, drained | 1 cup sliced pitted ripe olives |
| 2 cups canned whole-kernel corn, drained | 1 package (8-oz.) fine noodles or spaghetti |
| 1/4 cup tomato paste | |

Heat the oil in a large skillet and sauté the onion, green pepper and garlic until tender. Add the ground beef, break it up with a fork and brown. Add the tomatoes, corn, tomato paste, salt, oregano, pepper and allspice. Simmer slowly for 20 minutes, stirring occasionally. Add cheese and olives, mix well. Cook the

noodles or spaghetti by package directions. Drain well. Transfer to a large heated platter and spoon the meat sauce around the edge.

MINISTRONE

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|------------------------------------|---|
| 3 tablespoons salad oil | 1 1/2 cups diced potatoes |
| 1/2 cup finely chopped onion | 2 cups diced zucchini (1 lb.) |
| 1/4 cup finely chopped parsley | 1 cup sliced celery |
| 3 beef-bouillon cubes | 1 cup shredded cabbage |
| 1 1/2 teaspoons meat-extract paste | 1 cup sliced carrots |
| 1 teaspoon dried basil leaves | 1 pkg. (9-oz.) frozen cut green beans, thawed |
| 1 tablespoon salt | 1/2 cup raw regular white rice |
| 1/4 teaspoon pepper | |

Heat oil in large kettle. Add onion and parsley; sauté for 5 minutes. Add 3 quarts water; bring to boiling. Add beef-bouillon cubes and meat-extract paste; stir until dissolved. Add dried basil leaves, salt, and pepper; then simmer, uncovered, 5 minutes. Remove from heat. Add rest of ingredients, except rice; bring to boiling. Reduce heat; simmer, covered, 20 minutes. Add rice; simmer, covered, 25 minutes longer.

LASAGNA

- | | |
|--|--|
| 1/4 cup salad oil | 2 teaspoons dried oregano leaves |
| 1/2 cup finely chopped onion | 1 teaspoon dried basil leaves |
| 1 clove garlic, crushed | 1/4 teaspoon pepper |
| 2 tablespoons chopped parsley | 1 tablespoon salt |
| 1/2 lb. ground chuck | 1 tablespoon salad oil |
| 1/4 lb. ground pork | 1/2 pkg. (1-lb. size) lasagna noodles |
| 1 can (2 lb., 3 oz.) tomatoes, undrained | 1 lb. ricotta cheese |
| 2 cans (6-oz. size) tomato paste | 1 lb. mozzarella cheese, thinly sliced |
| 2 tablespoons sugar | 1 jar (3-oz.) grated Parmesan cheese |
| 1 tablespoon salt | |

In 1/4 cup hot oil, sauté onion, garlic, and parsley until onion is tender. Add chuck and pork; sauté until well browned. Add tomatoes, tomato paste, sugar, 1 tablespoon salt, the oregano, basil, and pepper; mix well. Bring to boil. Reduce heat, simmer, covered and stirring occasionally, 3 hours. In large kettle, bring 3 quarts water and 1 tablespoon salt to boiling. Add 1 tablespoon olive oil. Add all lasagna noodles, 2 or 3 pieces at a time, to the boiling water. Return to boiling; boil, uncovered and stirring occasionally, 15 minutes. Drain; rinse under hot water. Grease a 13-by-9-by-2-inch baking dish. Spoon a little tomato sauce into prepared dish. Layer noodles, ricotta, mozzarella, tomato sauce, and Parmesan. Repeat until all ingredients are used, ending with sauce and Parmesan. Bake, uncovered, 45 to 50 minutes, or until cheese is melted and top is browned at 350 degrees. Let stand 10 to 15 minutes before cutting, to make serving easier. Makes 9 servings.

SIMPLE VEAL SCALOPPINE

- | | |
|--------------------------------------|----------------------|
| 1 lb. veal scaloppine, cut very thin | 1/3 cup flour |
| | Salt and pepper |
| | 6 tablespoons butter |

Coat veal with seasoned flour. Sauté in hot butter for 3 minutes on each side. Add 1/4 cup liquid (water or wine). Simmer 2 minutes. Serve at once.

RIPE OLIVE SANDWICH LASAGNE

- | | |
|----------------------------|---|
| 1/2 lb. bacon | 1 teaspoon oregano |
| 1 cup chopped onion | 1/4 teaspoon pepper |
| 1 1/2 cups water | 12 slices white bread |
| 1 (6-oz.) can tomato paste | 1 pint cottage cheese |
| 2 tablespoons catsup | 1 1/2 cups canned pitted ripe olives |
| 1 minced clove garlic | 2 (6-oz.) pkgs. sliced Monterey jack cheese |
| 1 teaspoon salt | |

Cook bacon until crisp; drain and crumble. Cook onion in 1 tablespoon bacon drippings until tender-crisp. Add water, tomato paste, catsup, garlic, salt, oregano, pepper and crumbled bacon. Heat to boiling and simmer, uncovered, 20 minutes. Place 6 slices bread in 13x9x2-inch baking pan. Top with half of cottage cheese, then half of tomato mixture, ripe olives cut into chunks and Monterey jack cheese. Repeat layers. Bake at 350 degrees 40 minutes, until lightly browned. Cool 10 minutes, then cut into squares. Garnish each square with whole ripe olives. Makes 6 servings.

RIPE OLIVE FRANCISCAN EGGPLANT

- | | |
|---------------------------------|---------------------------------|
| 1 cup canned pitted ripe olives | 1/2 cup sliced celery |
| 1 large eggplant | 1 (8-oz.) can tomato sauce |
| 1 small onion | 1/8 teaspoon garlic powder |
| 1/2 lb. fresh mushrooms | 1/4 teaspoon salt |
| 1/3 cup butter or margarine | Dash freshly ground pepper |
| 1 cup diced cooked ham | 1/4 cup shredded Cheddar cheese |

Preheat oven to 400 degrees F. Cut olive into large pieces. Cut eggplant lengthwise into halves; cut out pulp, leaving a shell 1/4-inch thick. Dice the eggplant pulp. Peel and coarsely chop onion. Slice mushrooms. Melt butter. Add diced eggplant, onion and mushrooms and cook until tender and golden. Add ripe olives, ham, celery, tomato sauce and seasonings. Mix lightly but thoroughly. Spoon into eggplant shells. Place in shallow baking dish; top filled halves with cheese. Bake for 15 to 20 minutes until thoroughly heated and cheese is melted. Makes 4 servings.

WLBH— a station with a viewpoint

(continued from page 25)

hundreds of dollars annually and conserves energy.

Baseboard heating units in each office and studio area provide supplemental heat.

The building has no central air-

conditioning system. By utilizing window units built into the outside walls, it is possible to reduce the cooling costs, too, Livesay said. And, rather than face a total cooling system shutdown in the event of trouble with

central air conditioning, Livesay said the redundancy of the several window units allows for quick replacement in the event of a breakdown.

The inside of the building reflects Livesay's tastes in design, too.

The deep-red carpet, the natural-finish wood of the stairway railings and the grand piano gracing the lobby and reception area serve to continue and emphasize the impression created by the exterior.

Three years after WLBH went on the air, its FM affiliate began broadcasting. WLBH-FM came into being after the AM station owners found there was a need for night-time radio. (The AM station broadcasts from sunrise to sunset.)

The announcer hired in 1949 for the FM station and to do play-by-play sports, Ken Woodell, is now manager of the AM station. J. R. Livesay II, son of the station owner, is manager of the FM station. Woodell and young Livesay are stockholders in the parent company of the two stations, Mattoon Broadcasting Company. Mrs. R. D. Bills is the fourth stockholder.

Just one mile south of the new facility is the site of the broadcasting company's first structure. In its day, it must have represented quite a step for the young station. Its single tower seemed to reach the sky. Now, WLBH requires four towers, lined up behind the new building.

The new headquarters seems to represent a clean break from the outdated facilities of the past, except for one thing.

Woodell pointed out a scratched, beat-up desk bearing a coffee-stained, cigarette-burned, pop-bottle-ringed top. It is one of the few items from the old headquarters.

It has a function, however. Woodell suggests it "reminds us of how things used to be."

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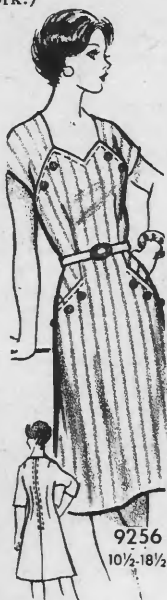
9153
SIZES 34-48



9442
SIZES 7-15



9219
10½-20½



9256
10½-18½



9184
34-48



9160
8-20



9271
8-20



9069
8-20



9029
SIZES 34-48



9047
10½-18½



9399
SIZES 8-20

- No. 9318 is cut in sizes 8, 10, 12, 14, 16, 18. Size 12 (bust 34) takes 2 3/8 yards 60-inch fabric.
- No. 9153 is cut in sizes 34, 36, 38, 40, 42, 44, 46, 48. Yardages in pattern.
- No. 9442 is cut in Jr. Miss sizes 7, 9, 11, 13, 15. Size 11 (bust 33½) skirt 1 7/8 yards 45-inch; top 1¼ yards.
- No. 9219 is cut in sizes 10½, 12½, 14½, 16½, 18½, 20½. Size 14½ (bust 37) takes 3 yards 60-inch fabric.
- No. 9219 is cut in sizes 10½, 12½, 14½, 16½, 18½, 20½. Size 14½ (bust 37) takes 3 yards 60-inch fabric.
- No. 9256 is cut in sizes 10½, 12½, 14½, 16½, 18½. Size 14½ (bust 34) takes 1 5/8 yards 60-inch fabric.
- No. 9184 is cut in sizes 34, 36, 38, 40, 42, 44, 46, 48. Yardages in pattern.
- No. 9160 is cut in sizes 8, 10, 12, 14, 16, 18, 20. Size 12 (bust 34) takes 2¼ yards 60-inch fabric.
- No. 9271 is cut in sizes 8, 10, 12, 14, 16, 18, 20. Size 12 (bust 34) dress 1 3/4 yards 60-inch fabric.
- No. 9069 is cut in sizes 8, 10, 12, 14, 16, 18, 20. Size 12 (bust 34) top 1 1/8 yards 45-inch; culottes 1 3/4.
- No. 9029 is cut in sizes 34, 36, 38, 40, 42, 44, 46, 48. Yardages in pattern.
- No. 9047 is cut in sizes 10½, 12½, 14½, 16½, 18½. Size 14½ (bust 37) jumper 2 3/8 yards 60-inch; blouse 1½ yards 45-inch fabric.
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TRAP SALE—Large trap sale on complete stock of Victor & Blake & Lamb, with discount prices on other trapping supplies. Write for free trap price list and our 1975-76 Catalog, as we are not making a new catalog. ED BAUER FUR CO., SMITHBORO, IL. 62284.

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Stratified Ginseng seed Giant Canadian Origin for fall planting. \$50.00 per lb. Approximately 7,000 seed \$12.00 thousand. Planting roots 1-year \$10.00 a hundred; 2's \$18.00. Seed bearing \$25.00 postpaid. Instructions included small acreages or woodland could become your goldfield. John Batz, Pittsfield, Ill. 62363.

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August Enrollment

THE FIRST... THE OLDEST PLAN... with the MOST SATISFIED CUSTOMERS... Developed to use the buying power of millions of Cooperative Members... to provide better protection at lower cost.

Thousands upon thousands of Rural Electric Members COAST TO COAST now rely upon the **Co-op Insurance Fund** for their hospital protection. It's the Number One Group Plan for REC Members.

NO OTHER HOSPITAL PLAN... has ever been so widely introduced to the members of so many **Rural Electric Cooperatives**. It represents an expression of their concern for the health and welfare of their members.

DEPENDABLE... HONESTLY DESCRIBED... The "**CO-OP INSURANCE FUND (C.I.F.)**" Hospital Protection provides: High Daily Benefits. GROUP Rates to members. Fair and prompt claims service.

Our Insurance Company is a reliable Old Line Legal Reserve Company that has been serving the needs of Rural Americans for almost a Quarter Century — Licensed in ILLINOIS.

C.I.F. spent over **six** years to fully develop **this** program. RURAL LEADERS helped in its design... men such as **ORVILLE L. FREEMAN** (former **UNITED STATES SECRETARY OF AGRICULTURE** and Governor of Minnesota), **CLYDE T. ELLIS** (for 25 years Manager of **NATIONAL RURAL ELECTRIC COOPERATIVE ASSOCIATION**).

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Now you can "CO-OP" YOUR HOSPITAL BILLS... through the "**CO-OP INSURANCE FUND**." For most rural residents this plan provides their first opportunity to belong to an "Insurance Group"... and buy GROUP protection at low GROUP rates.

HERE ARE SOME OF THE PLAN'S VALUABLE HIGHLIGHTS:

HIGH PAYMENTS!

PAYS \$50 PER DAY CASH for EVERY DAY in the Hospital.

- Weekly \$ 350
- Monthly \$ 1,500
- Yearly \$18,200
- PLUS — 100 TIMES the Daily Payments in Case of Accidental Death \$ 5,000

REAL SAVINGS!

Low GROUP Cost

- Only \$6.60 per month and Up.*

Alternate Plan:

- Only \$3.30 per month and Up.*

*Depending upon ages and sex

FOUR (4) REASONS YOU NEED THE C.I.F. PLAN:

1. Pays for one whole year (365 days).
2. **PAYS IN ADDITION TO:**
 - (a) Other Insurance you may already have.
 - (b) Workmen's Compensation.
 - (c) Veteran's Hospitalization.
3. NO AGE LIMIT to apply.
4. **YOU CAN'T BE CANCELLED** — so long as you pay your premium and the group policy remains in force (no matter how many times you go to the hospital—regardless of how many thousands of dollars you may collect in claims).

CONSIDER THESE FACTS:

- This year hospital costs are averaging \$128 per day (American Hospital Association).
- One person in every third family will go to the hospital this year. Almost everyone — will go to the hospital sooner or later.
- The **ONLY** time you can buy Hospital Protection is **BEFORE** you need it.
- **NO ONE CAN AFFORD TO TAKE A CHANCE ON HAVING THEIR SAVINGS (or what you own) WIPED OUT!**

VERY IMPORTANT: MOST hospital stays are SHORT... and EXPENSIVE... C.I.F. PAYS BEGINNING **THE VERY FIRST DAY** IN THE HOSPITAL... for SICKNESS and ACCIDENT and that means HUNDREDS OF DOLLARS TO YOU.

COMPARE

To protect your pocketbook—AND—to protect yourself—COMPARE! The C.I.F. Hospital Income Plan offers: LOW "GROUP" cost. YOU PAY NO MONEY until your policy/certificate is in your hands. HIGH daily benefits. 100 TIMES daily benefits for Accidental Death. Starts paying FIRST DAY in hospital. We sincerely believe this combination of superior benefits provides more honest protection at less cost—and is UNMATCHED by any other similar plan.

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All of these varieties are considered by many experts to be the most popular native shade and flowering trees in America today. Supplies of these trees are limited so order today and take advantage of "AMERICA'S GREATEST TREE SALE EVER".

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This is one of the most beautiful of all shade trees. Besides having brilliant scarlet red leaves in the fall of the year, it has another excellent trait—it is an extremely fast grower. It is very easily transplanted and many experts agree it will grow practically anywhere in the U.S.A. Grows to 60 feet. (shipped at 3 to 5 feet).



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The largest of all maples, and its beautiful array of yellow and orange hues make it a sight to remember due to the foliage thickness—A very hardy northern and southern tree and will grow up to 60 feet. (shipped at 3 to 5 feet).



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This beautiful tree has very delicate foliage with snowy white bark, and a compact form—It can be seen growing in all different climates and the multi-trunk (clump) effect can be obtained by planting two or more trees next to one another. It is also a rapid grower. (shipped at 3 to 5 feet).



TULIP TREE
(liriodendron tulipifera)

This fast growing tree reaches heights of 80 feet or more. It also resembles the magnolia and is a hardy tree for all areas. (shipped at 3 to 5 feet).

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WHITE DOGWOOD
(cornus florida)

This beautiful flowering tree has large white blossoms and can be seen in all parts of the country. Its foliage is attractive all summer and has beautiful fall colors, as the red berries hang on most of the winter. Grows to 25 feet. (shipped at 3 to 5 feet)



REDBUD
(cercis canadensis)

This beautiful flowering tree is native to both the north and south and thereby extremely hardy. It blooms at the same time as the dogwoods and its gorgeous pink flowers form a lovely combination with the dogwoods. Grows to 25 feet. (shipped at 3 to 5 feet).

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