

# THE POST-DEMOCRAT

The Only Democrat Paper in Delaware County Carrying the Union Label

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## Congressman Says Democracy Once Misplaced May Never Be Re-Found

By ANDREW JACOBS

Last week I stated that this week I would discuss what history will probably develop in the ways of Democracy.

Let's understand what Democracy is and what it isn't. A few think of Democracy as a physical something once discovered, which, if once misplaced, might never be re-discovered.

But the vast majority know that Democracy is essentially a spiritual way of life;—the determination of most people to give expression to the dignity of the individual and to so order the process of government that decisions of government shall not be forced upon society against its will.

In its essence Democracy, like ancient governments, recognizes that sovereignty derives from God;—but, unlike monarchies, Democracy believes that sovereignty resides in, and is, of the very soul of the people, who, instead of kings, have the divine right to govern themselves, and have a voice in their own destinies.

A Democratic society governs itself by law, equally applicable to all;—and its most important law is its Constitution which is the law and delimitation that restrains the government itself. It accepts no law which is not within the sphere and jurisdiction of government and which is not agreed to by the people through accepted processes of Representative government.

That sphere and jurisdiction in a Democracy is limited, and a Democratic Representative government is forbidden to interfere with personal rights such as religious freedom, rights of assembly, and freedom of speech, press, and to hold property, etc.

In final summation, Democracy is a word we use to convey the idea that society as a whole must be consistent with the rights of others, give the fullest possible recognition to the dignity and the will to freedom by which each individual partakes of the likeness of God.

More man neither invented nor devised this dignity and will to freedom. They are as inherent in humanity as the heart beat;—are they restricted to the white man or any area of the globe. This spirit may be subdued by dictators;—or where hunger and suffering or ignorance reigns, tribally surrendered, on a temporary basis, by a free people, in a great crisis. But its spark will never be extinguished so long as there is a human race.

Comprehension of these facts are necessary to an appraisal of Democracy's chances in future years. Consideration of this immutable factor must influence us in charting our course of foreign policy.

This undoubtedly was in Secretary Acheson's thinking when he said we could supply aid to those peoples that had the will to have Democracy; but such aid would be futile where such will was non-existent;—or as I would say, either subdued or never awakened.

Such facts should be pondered by those who think Democracy is forever lost in China, Indo-

China or any backward area of the world, including Russia.

In short, we in America espouse the cause of Democracy; we want to, and will, sustain it wherever and whenever practical. And our eternal ally is now, and always will be, that spark of the spirit of Divinity itself;—the dignity of the individual and his or her will to freedom.

But as we chart our course let us be wise enough to recognize that where the will to freedom is subdued or has not awakened, we must not rush headlong to the cause of Democracy, but rather await its awakening; that we must avoid the cunning of those who would jockey us into the position of appearing to spread Democracy by the sword.

Eternal vigilance and strength are necessary to protect and defend our own liberties and those of our friends who have the present will to be free.

Behind the Iron Curtains throughout history this human spirit of freedom has forever been, and will always be, Democracy's greatest ally, a sustaining force without which Democracy cannot thrive here nor develop in the backward areas of the world.

The spread of the spirit of Democracy, like the spread of the spirit of Christianity, moves slowly. The fact is that the full missionary work of both is not given to one generation, past, present or future. But the future success of both will measure the advance and betterment of mankind.

The future will not be easy, but a wise course can help implement a Divine Plan that is latent in every human heart that beats.

So I would predict Democracy's future role by saying that the human race cannot destroy Democracy without destroying itself.

## Deadline Is Near To Qualify In May Primary

With only one day remaining for candidates to file in order to enter the May primary, the political pot is beginning to boil over. County Clerk Milhollin has stated that all declarations, mailed in bearing postmarks up to twelve o'clock Saturday night, will be accepted. He stated that his office would close, as usual, at noon on Saturday but left the impression that he would be around to take care of any late comers.

County Chairman Conly says that there will be no vacancies on the Democrat ticket. Francis Leonard, Secretary of the Board of Safety, is expected to file for Auditor. Mrs. Leonard is a capable woman and will make her party a capable candidate.

### CLOSE CENTERS.

West Virginia's geographical center and its population center are only five miles apart. Cassaway is the center of population, and Sutton, to the east, is the geographical center.

## Jobless Claims Lowest Since Last November

Jobless insurance claims from persons newly out of work totaled only 4,340 for the week ending March 18, the lowest weekly figure since November, 1948, Everett L. Gardner, director of the Indiana Employment Security Division, reported today. He said that there were widespread recalls to work throughout most of the state and a general improvement in the employment outlook.

The 4,340 initial unemployment compensation claims received during the week ending March 18 were 39 per cent under the previous week and 66 per cent fewer than a year ago, according to Mr. Gardner. He added that the number of continued claims dropped 4 per cent from 39,751 for the week ending March 11 to 37,997 last week. Continued claims were running one-third less than a year ago at this time.

The Director explained that total jobless insurance claims were down 10 per cent to 42,337 for the week ending March 18 from 46,838 the week before. Total claims last week were 40 per cent fewer than during the same week in 1949.

Job orders, referrals and placements by local Division offices also showed a general improvement, Mr. Gardner pointed out. He said the number of job openings increased in 17 of the agency's 29 offices. Two offices, Gary and Richmond accounted for 49 per cent of the total increase in openings. All but eight offices reported higher placements. Mr. Gardner said that the Division's job opening and placement activities were at the highest point since October, 1949.

## Shaffer To List Muncie Teachers For IU Course

Superintendent Roscoe D. Shaffer of the Muncie city schools has been asked by the Indiana University School of Education to recommend local high school teachers to be invited to a unique course to be given this summer at the University.

The course in the form of a workshop will be held June 19 to July 15. Its purpose, as announced by Dean Wendell W. Wright of the I. U. Education School, will be to study what additional courses or changes in preparation should be given in high school to students destined to live in a world of marked technical, economic and social changes.

Nationally known authorities in such fields as atomic energy, air transportation, television, labor, business, and international relations will serve as leaders. Educational specialists will discuss the responsibility of each high school instructional field in preparing students for the changes that have or likely will take place.

Teacher participants in the four-weeks course may earn five hours of graduate education credit. H. T. Batchelder, associate professor of education, will be coordinator.

## Haitian Exposition Features U.N. Work



Thousands of persons from all over the world are expected this year to visit the International Exposition at Port-au-Prince, Haiti, to commemorate the two hundredth anniversary of the founding of that city. The exposition features a special United Nations exhibition, dramatizing the activities of the world organization. Above is one of the U.N. pavilions under construction in the Haitian capital.

## Monday Last Day To Register Here

Monday is the last day to register, if you are not already eligible to vote in the May 2 primary election.

All civic and patriotic organizations in Muncie and Delaware County are urging every voter to be sure he is qualified. The last time you will not be able to vote.

### SPECIAL DEPUTIES SATURDAY

County Clerk Robert A. Milhollin said yesterday that registrations can be recorded at his office through next Monday. Special deputies will be at the Rivoli Theater in the lobby from 1 to 8 o'clock p.m. Saturday, to register voters. They must register in person.

A voter should register if he did not vote in either the 1948 primary election or the 1948 general election, if he has changed place of residence, or if one's name has been changed by marriage or otherwise.

## Delaware Pupils Invited To IU

Delaware County high school seniors, along with others from throughout the state who are interested in Indiana University, have been invited to the University's First Annual Spring All-Indiana High School Day to be held Saturday, April 29, on the Bloomington campus.

The invitation received from the University's Junior Division advises high school principals that programs and tours have been arranged to provide the seniors with "on the ground" information. The principals are asked to make reservations for seniors accepting the invitation.

The visiting seniors after arriving on the campus Friday evening, April 28, will be given assignments to rooms and meals provided by dormitories, fraternities, and sororities, and are included in all-senior dances in the University's new men's residence center or social gatherings in the Student Building.

The program Saturday of tours and meetings will be fitted to the interests of each individual. They will include liberal arts, teacher training, business, music, home economics, law, medicine, dentistry, nursing, physical education, speech and drama, and journalism with a separate meeting for those undecided as to their college course interest. I. U. student organizations in the various fields of study will assist in the programs and tours.

## Liberty Township Gets Fire Truck

Parker E. Thornburg, trustee, and the members of Liberty Township Advisory Board are going to buy a fire truck and equipment for Selma and Liberty Township.

Mr. Thornburg said they had long felt the need for this fire fighting apparatus and expected to buy it without further delay. Bids for the fire fighting equipment will be received at the Trustees office until 5:00 p. m., April 5.

The pump and equipment must pass the National Board of Fire Underwriters test, and said not less than a two to two and one half ton truck chassis and cab, all according to plans and specifications now on file in the office of said Trustee.

### MAKING MONEY

Would you like to start your own business? In The American Weekly, the great color magazine with Sunday's CHICAGO HERALD-AMERICAN, read "Making Money at Home" and learn how you can earn extra money with your knowledge of cooking, gardening, knitting, interior decorating and other simple household skills. See how one woman sells boxed lunches to businessmen... another prepares dinners for bachelors, working girls and bridge parties. Don't miss "Making Money at Home" Sunday in The CHICAGO HERALD-AMERICAN's great color magazine.

## Census Enumerators In Delaware County Will Ask Eight Specific Questions When They Rap On Your Door Next Month

## Giesel To Head Legion Junior Diamond Teams

Harry Giesel, who spent 18 years as an American League umpire, has returned to the diamond in the capacity of Commissioner of American Legion Junior Baseball for the state of Indiana.

Department Commander Homer W. McDaniel, who was responsible for Giesel's appointment, described the action as a big step forward in the drive to give Indiana a more prominent spot in the National American Legion Junior Baseball program.

The authority of the veteran arbiter in his new post will be just as supreme as that which he exercised during his long career in professional baseball. He will be the final voice in all protests and questions arising in state Junior Baseball play.

Bill Clarkson, Director of the State Junior Baseball program, is expecting an all time record entry for 200 teams in this year's program. Clarkson pointed out that Indiana may also be host to one of the twelve regional tournaments held annually across the nation to help decide the national championship.

Twin City Post No. 266 of East Chicago, Indiana, has already submitted a bid to the Legion's National Headquarters to act as host to Regional Tournament No. 7. State champions from Indiana, Michigan, Ohio and Illinois will vie in this tourney for the right to advance in national play.

The newly crowned state Junior Baseball Commissioner is a Hoosier through and through. He was born in Indiana, always spent the off-season here, and presently lives at 5782 N. Delaware street, Indianapolis.

Giesel worked his first baseball game in 1912, and moved progressively in the minors until 1925 when he was signed as an American League umpire by the late Ban Johnson, then head of the Junior Circuit. He served in the American League until 1943 when a collision with a player forced his retirement from active duty.

During his long and memorable service behind the plate, Giesel worked three World Series and was the arbiter in the history-making seventh game of the 1934 Classic. St. Louis was playing at Detroit in the final game and the fireworks started when Joe Medwick, Cardinal outfielder ploughed into Bengal, third baseman Marvin Owen.

The fans interpreted Medwick's action as unnecessary roughness and poor conduct and when he took his position in left field at the close of the inning, the bleachers showered him with everything they could get their hands on.

The game was halted for about 15 minutes until Judge Kenesaw Landis, then Commissioner of Baseball, removed Medwick from the game upon the suggestion of Harry Giesel.

Giesel, was lauded by press and radio for his solution to the dilemma which made possible the continuance of the game.

In his latter years, Giesel has worked with boys throughout the Indianapolis area and has rendered the 11th District Junior Baseball officials invaluable as assistance in handling local baseball protests.

His appointment to the post of State Commissioner promises to lead added dignity to an already fine program.

## Famous Names In Elections

Representative Helen Gahagan Douglas, wife of Actor Melvin Douglas, has filed the necessary papers in her home state of California, to enter the race for the United States Senate. She has filed her intention on both the Republican and Democrat tickets, in Los Angeles County, with Benjamin S. Hite, Registrar of Voters.

Also entered in the contest is another famous name, that of James Roosevelt, the son of the late President.

Many local Democratic women workers remember Mrs. Douglas. She spoke here before the Democratic women's organization several years ago.

With two such dynamic personalities as Mrs. Douglas and Mr. Roosevelt, after the same office, Californians will no doubt wit-

They will want to know your name, relationship to head of household, race, sex, age, marital status, state or county of birth and citizenship status

## 1950 CENSUS FACTS SECRET

It has been announced by the Census Bureau director that all statements made by householders in the census will be held absolutely confidential.

Dr. Roy V. Peek, director of the Census Bureau said "These facts are not available to the President of the United States, the Federal Bureau of Investigation, the income tax office or anybody else." He made this announcement at a conference held in the offices of the Advertising Council. The Council is launching a nationwide advertising campaign of the purpose of furthering public cooperation with the census takers.

Dr. Peel, who has taken a leave of absence from Indiana University, to head the Census Bureau, estimates that the census would take about two weeks to complete in the cities and a month in the country. April 1 more than 140,000 enumerators will start knocking on doors and will be paid 7 cents a name and will earn from \$8 to \$11 a day.

Those not wanting to give the enumerators the exact information regarding their income, if it is over \$10,000 can merely say "over \$10,000 or anyone not wishing to name the amount of their income can place the information in a sealed envelope and give it to enumerator or send it direct to Washington. Every fifth person is asked about their income. Each interview is expected to take 15 minutes per person.

The rural mail carriers are now busy delivering census forms in the rural areas all over the nation. Farmers who receive the farm census forms are requested to fill out the answers and turn in the complete forms to the enumerators when they arrive after the 1st of April.

## Hiller Initiated In Sphinx Club

Eugene Hiller, 909 N. Tillotson, Muncie, has been initiated into Sphinx Club, honorary for organized upperclassmen at Indiana University. Mr. Hiller is a junior student on the Bloomington campus.

A Yorktown student, Nancy Richman, has been initiated into Gamma Alpha Chi, national honorary advertising fraternity for women. Miss Richman is a senior at I. U.

Stanford Falender, R. R. 7, Muncie, has been initiated into Pershing Rifles, honorary organization for military students. Mr. Falender is a freshman.

Two Daleville students, Wayne Shirey and Warren Shirey, have been pledged to Sigma Theta Epsilon, Methodist men's fraternity. Both are sophomores at I. U.

## Lost Social Security Cards Cost Taxpayers \$2,790 Month In State

\$142.75 for 1949, when over 3800 Social Security cards were replaced by the Muncie office in Blackford, Delaware, Henry, Jay and Randolph counties. This cost can be reduced by two-thirds or to approximately 15 cents per card, even though the same number of cards are lost, if workers will keep the stubs of their cards in a safe place. Then if they lose the upper or official part of the card, they need only present or mail the stub to the nearest Social Security office, and a duplicate card can be issued immediately.

But of both parts are lost, the central office files must be searched before issuing a duplicate card. This takes several days and increased administrative cost. Still greater savings can be made on behalf of the taxpayer if care is exercised to prevent loss of either the upper or lower part of the card.

The Muncie office of the Social Security Administration is located in the Chamber of Commerce Building and workers having questions about their numbers or accounts should contact that office.

Eight specific questions in the 1950 Delaware County census of population will be asked of all individuals when enumerators make their calls at households during April. The census-taking job starts Saturday.

This was pointed out Tuesday by District Supervisor Lawrence D. Renfro in charge of the local headquarters office for the Tenth Congressional District of the United States Bureau of the Census.

The eight inquiries to be made concerning every person will be name, relationship to head of household, race, sex, age, marital status, state or county of birth and citizenship status.

Two additional questions concern all persons 14 years old and over. These relate to employment and kind of job. The remainder of the questions will be asked only of a sample of persons, selected by chance according to the order in which their names fall on the census schedule.

For every fifth person 14 years old and over there are four questions on number of weeks worked in 1949, income in 1949, veteran status (males only), and duration of employment (if unemployed).

Three other questions will apply to every thirtieth person 14 years old and over in certain categories. One in 30 persons neither working nor seeking work during the week before the census will be asked to report on kind of job last held if employed at any time in 1949.

For every fifth person, there will be four questions as to place of residence one year ago, country of birth of father and mother, whether attending school and highest grade attended.

One in 30 persons reporting themselves as ever having been married will be asked if they have been married more than once, and the number of years in present marital status. One in 30 married women will be asked how many children they have borne.

The 350 enumerators who will take the census in the 10-county Richmond District are taking classroom work this week to learn how their jobs are to be done.

They will do classroom work and either Thursday or Friday of this week they will go out and take actual census checks. These checks will be official and households contacted will not be checked again.

The Bureau of Census, which is under the direction of the Commerce Department, has estimated the following statistics will be brought out in this seventeenth decennial census:

Some 151,000,000 persons will be listed by name, 45,000,000 dwelling units will be listed by address, and 6,300,000 farms will be listed by location.

Renfro pointed out that information collected by the enumerators is confidential. Access to it is permissible only to the Census Bureau. Fines and sentences are the punishment for failure to heed the confidential nature of the job.

"We hope to complete the urban census job in this district the first two weeks in April," the supervisor says, "and the rural job will be completed in four weeks."

## Discovery of Female Hormone in Licorice Justifies Historical Use as Elixir of Life

A newly discovered substance in an old remedy that the ancient Chinese believed gave new life to the aged was uncovered this week. In a scientific paper published in the current issue of The Journal of the American Pharmaceutical Association, Researchers Dr. E. V. Lynn of the Massachusetts College of Pharmacy, and Christopher H. Costello reported that they had found a female sex hormone, apparently identical in structure to the male sex hormone, testosterone, in licorice.

The widespread use of estrogen and other female sex hormones in the treatment of dysmenorrhea and the menopause has caused scientists to search for more available sources of these compounds, originally extracted at great cost from the urine of pregnant animals. Although chemists have produced less expensive synthetic compounds, licorice has been found to be less potent than the natural hormones, and pharmacologists have looked to flowers and fruits for a source of the same or physiologically related substances. Traces of the hormones were found in wheat, oats, yeast, cherries, date pollen, pussy willow—even garlic—but until this week no one had guessed that tucked away in the age-old medicine, licorice, were estrogenic substances.

Licorice, like ephedrine, was known and used in ancient China. In the oldest of the Chinese books of medicine, "Shen Nung Pen Ts'ao King," licorice was referred to as a magical herb that gave new life to the bodies of the old. Brahmins recommended licorice as a tonic and elixir of life. The Assyrians, Hittites, Phoenicians and Persians all mentioned licorice in their stone and papyrus inscriptions. A supply of the root was found in the crypt of King Tutankhamen's tomb and hieroglyphics from the time of the Pharaohs record the making of malus, a mixture of licorice root and water that is still a popular drink at Egyptian weddings.

The Greek physician Theophrastus prescribed licorice for asthma and general pulmonary difficulties. The ability of the root, which contains a crystalline acid, glycyrrhizin, that is fifty times sweeter than sugar to quench thirst was early recognized. Alexander the Great and the Caesars supplied licorice to their armies to sustain them on long marches. American Indians brewed a beer in which licorice was an important ingredient. Through the annals of nineteenth century medicine there are constant references to licorice as a bland and soothing remedy for colds, coughs, sore throats, laryngitis, and bronchitis. It was also employed as a mild laxative, but its chief use in modern medicine until the present time has been to add pleasant flavoring to less palatable drugs.

Oddly enough the present discovery of the estrogenic qualities of licorice stems from its use as a flavoring agent in an old proprietary mixture. Several years ago Mr. Costello, the chief chemist for the Lydia E. Pinkham Medicine Company, and Dr. Lynn, a professor at the Massachusetts College of Pharmacy, started a detailed chemical analysis of Lydia E. Pinkham's Vegetable Compound.

The former was then a student of Dr. Lynn's and this research was started as the basis of his

doctoral thesis. Laboratory tests on animals revealed that one or several ingredients that had been included in Mrs. Pinkham's home remedy contained estrogenic substance. By a long series of careful and complicated analysis they discovered that licorice (known in botanical and pharmacological circles as glycyrrhiza) was the source.

Originally intended as a flavoring, contained appreciable quantities of estrogenic hormones. An ultra-violet spectro-photometric analysis enabled the researchers to specifically identify the hormone as a steroid that is probably estradiol. (Estradiol is the only one of the three commonly used forms of estrogen that can be taken orally.)

The discovery has importance because it may be the forerunner of a method of inexpensive mass production of estradiol from either licorice or from specially cultivated plants. Although three other ingredients of the compound, namely, asclepias, helonias, and aletris, were also found to contain estrogenic hormones, they have not as yet been specifically identified.

Said famed gynecologist Dr. Joseph H. Phillips of the announcement of the estradiol content of licorice, "It is interesting to note the awareness among the ancient Chinese of the properties of a root which is now demonstrated by laboratory tests to contain estrogenic hormones. Similarly, it is significant that a home remedy with which so many women claimed relief from symptoms of dysmenorrhea and the menopause is now shown to apparently possess definite estrogenic properties."

Dr. E. V. LYNN

CHRISTOPHER H. COSTELLO

ARTHUR PINKHAM



## THE POST-DEMOCRAT

A Democratic weekly newspaper representing the democrats of Muncie, Delaware County and the 10th Congressional District. The only Democratic Newspaper in Delaware County

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## CAPITAL



## COMMENT

A substantial step toward better organization of the Federal Government was taken this week when the President sent to the Congress 21 plans for reorganization.

The recommendations were in line with the findings of the Commission on Organization of the executive branch of the government, the Hoover Commission.

When these plans, supported by the citizens committee for the Hoover report, are put into operation about half of the recommendations of the commission will have been carried out.

The 21 plans will become operative in 60 days unless the House or the Senate vetoes them by a constitutional majority, which is 216 in the House and 49 in the Senate.

The President said he would send additional reorganization plans to the Congress later in the session.

These excerpts from the President's message to the Congress give the highlights of the latest reorganization plans:

"Plans 1-6 transfer to the heads of six departments the functions and powers now conferred by law on subordinate officials. The six departments affected are Treasury, Justice, Interior, Agriculture, Commerce and Labor."

"Plans 7-13 fix responsibility for the day-to-day administration of seven regulatory boards and commissions in the chairman of these bodies rather than in the members collectively. The agencies affected are the Interstate Commerce Commission, Federal Trade Commission, Federal Power Commission, Securities and Exchange Commission, Federal Communications Commission, National Labor Relations Board, and Civil Aeronautics Board."

"Plans 14 and 19 transfer two functions to the Department of Labor from other Government agencies."

"Plans 15-18 and 20 transfer certain functions to and from the General Services Administration in order to round out the organizational pattern of this agency, which was created last year."

"Plan 21 transfers the functions of the Maritime Commission to the Department of Commerce, where they are reconstituted in a Federal Maritime Board and a Maritime Administrator."

"The first 13 plans all have the same objective—to establish clear and direct lines of authority and responsibility for the management of the executive branch. The heads of departments and the chairmen of regulatory bodies will be made clearly responsible for the effectiveness and economy of government administration and will be given corresponding authority, so that the public, the Congress, and the President may hold them accountable for results in terms both of accomplishments and of cost."

"In plan No. 12, unified responsibility is once more established in the National Labor Relations Board by transferring to the board and its chairman the functions of the general counsel and by abolishing the statutory office of the general counsel. This plan will bring to an end the confusion which has resulted from divided responsibility."

"The 8 remaining plans... will take us further toward the goal of grouping the programs of the government in the smallest practicable manner of departments and agencies organized according to major purpose."

"Transfer of the functions of the Maritime Commission to the Department of Commerce through Plan No. 21 will mark a long step forward in the integration of the many governmental programs affecting transportation. This step, again, is in accord with the recommendations of the commission on organization of the Executive branch."

"For more than a decade, the department has been in the process of becoming the major transportation agency of the government. The establishment of the Civil Aeronautics Administration within the Department was the first major move in this direction. The transfer of the Weather Bureau to the department was based in large part on that bureau's importance to transportation. One of the reorganization plans which I transmitted to the Congress last year transferred the Bureau of Public Roads to the Department."

"Now, with the addition of the functions of the Maritime Commission, the Department will have jurisdiction over the major portion of the operating aspects of the program of the government relating to air, highway, and water transportation, as well as over the development and coordination of policies affecting the nation's transportation system as a whole."

"In Plans Nos. 14 and 19, the Department of Labor is given two new functions—the Bureau of Employees' Compensation, transferred from the Federal Security Agency; and the responsibility for coordination of the

enforcement of wages and hours legislation affecting Federal or Federally-financed contracts. These two steps will further strengthen the Department of Labor as the center of responsibility for governmental programs which protect the welfare of employees."

"The remaining five plans represent a logical evolution of the responsibilities of the new General Services Administration. Two of these plans (18 and 20) transfer additional service responsibilities to the General Services Administration; and the other three (15-17) remove from it various inappropriate functions it received from the recently abolished Federal Works Agency."

"When considered in conjunction with the reorganization plans and legislation which were made effective in 1949, these 21 plans bring near to realization certain major goals that have been set forth by the Commission on Organization."

"The first of these goals is to improve the internal management of individual departments and agencies."

"The third general goal is to reduce the number of governmental agencies and to group functions according to the primary purpose of these agencies."

Democrats can be proud of our President's leadership in working for more efficiency in government organization. While some have talked of greater efficiency and not always supported it when it came to a vote, the President has ACTED. I am certain that Democrats will give him full support in this latest series of major organizational changes.

In an effort to get big headlines for partisan Lincoln Day Republican Party rally speeches, Senator McCarthy (R., Wis.) made some sensational charges about alleged communist infiltration into the State Department.

A Senate Foreign Relations Subcommittee set hearings so that Senator McCarthy could provide proof or withdraw his charges. He did neither, but did enter into an active "guilt by association" headline hunt.

The Senate hearings are still going on at this time, but it seems appropriate to pass on to you a few quotations from newspaper coverage and comment on the Senate and his so-called "red hunt."

Here are brief editorial comments from two of the most influential Republican newspapers in the country:

"In two appearances before a Senate Foreign Relations subcommittee, Senator Joseph R. McCarthy (R., Wis.) has produced NO SUBSTANTIAL EVIDENCE in support of his blunt and oft-repeated charges of widespread communist influences now at work in the State Department."

"Mr. McCarthy's successive shifts in position cannot fail to give an impression of weakness. At one time he charged there were 205 subversives in the State Department, a figure which he changed to 81 by a scratch of the pencil in the presence of newspapermen."

"At another point he said there were at least 57 card-holding communists on the rolls of the State Department. But in his appearance before the subcommittee he dropped the qualification of 'card-holding.'" (From the "Philadelphia Inquirer.")

"Two days of grotesque proceedings before the Senate subcommittee supposedly investigating Senator McCarthy's charges of communist infiltration in the State Department have shown the investigational process at its worst and Congressional meddling with the Executive in its most dangerously irresponsible form." (From the "New York Herald Tribune.")

Marquis Childs, in a thoughtful column, wrote that Senator McCarthy's actions were undermining hopes for a constructive foreign policy and added:

"But, in my opinion, that is not the greatest disservice McCarthy is performing. What he is doing that is most dangerous and most reckless is to extend and confirm the technique of the indictment by association and smear."

"You don't have to watch the process very long to understand what it is. It is the technique of the revolutionary tribunal, those fantastic mock courts that came into being in the holocaust of the French Revolution. It bears some relation to the methods of the purge trials in Soviet Russia. The whole approach could hardly be more directly at variance with the Anglo-Saxon concept of equal justice under law that has slowly and painfully evolved through the centuries."

"Rereading Charles Dickens' thrilling novel, 'A Tale of Two Cities,' you get some idea of what those revolutionary tribunals were like. Victims by the thousands were hauled before so-called courts. If it could be shown in any remote way that the individual had had contact with any aristocrat for whatever reason, the clamor for his blood went up and he was carted off to the guillotine."

"Whether this 10-cent store Robespierre from Wisconsin knows it or not, what he is helping to do is BREAK DOWN LAW AND ORDER. The Senator can rely, of course, with the easy and cynical good humor that is natural to him that his victims are, after all, not guillotined."

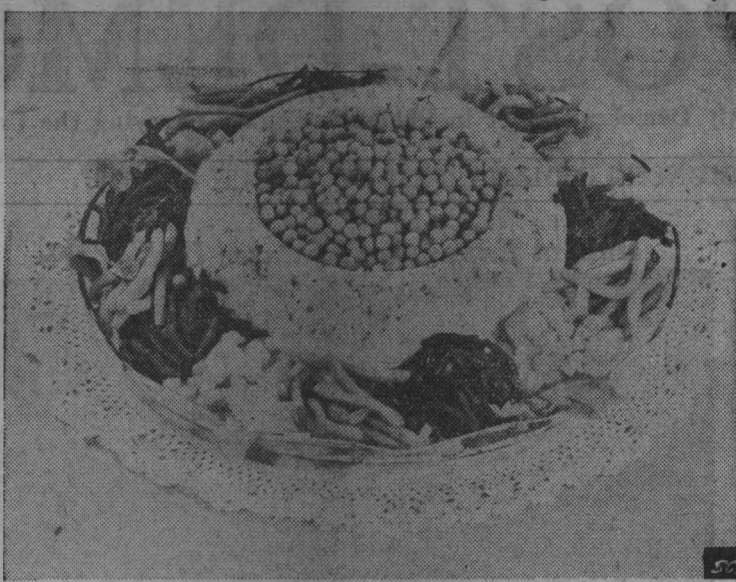
"But the smear can destroy, too. Denials rarely catch up with the original accusation. They are usually found back among the want ads while the charge itself has blossomed in big headlines on page 1."

These quotations from newspapers are reprinted here in the hope that they will give you some assistance in judging the motivation of Senator McCarthy's attacks and in judging the sincerity and patriotism of Senator McCarthy and the Republicans who are currently assisting him.

Several Democrats have suggested that the vote on the weakening amendment to the House FEPC bill, proposed by Congressman McDaniel (R., Penn.) provides a better subject for analysis to expose Republican betrayal of the GOP platform on civil rights, than the vote on final passage.

The McConnell amendment removed en-

## Buliven Lent With This "Ring of Plenty"



You'll earn cheers from the family for this delightful treatment of old favorite Lenten foods. This easily-prepared "Ring of Plenty" whets every appetite, first with its lovely looks, then with its delicate, zesty aroma. And the taste—ah! You're not likely to have any leftovers from this delicious serving for six! Here's how you make it:

- 1 six-ounce link Hickory Smoked Cheese Food
- 1/2-pound spaghetti, broken into small pieces
- 1 can red salmon
- 2 eggs
- 1/2 teaspoon salt
- 1 cup milk
- 1 small can each of peas, green beans, shoestring beets and diced carrots, buttered and heated.

Cook spaghetti in boiling salted water until tender. Drain, rinse and mix with Hickory Smoked Cheese Food, grated or cut into small bits. Flake salmon and pack it tightly into the bottom of a greased ring mold. Cover salmon with the cheese and spaghetti mixture. Beat eggs and milk and salt and pour over spaghetti and salmon. Set in pan of hot water and steam for 45 minutes.

Remove from ring mold to heated chop plate; put buttered peas into center of ring and alternate carrots, beets and beans in small mounds around ring. Garnish with parsley.

## MICE IN MINE MAY PROVIDE CANCER CLUES

TIMMINS, Ont. —In a mine shaft half-a-mile below the ground, hundreds of mice today run about aimlessly. They are part of the relentless search for the cause and cure for cancer.

The mice, from Banting Institute, are there to prove or disprove the theory that cosmic rays cause changes in human tissues—changes which could be a source of cancer.

The project is the brain-child of Dr. William R. Franks, veteran Banting scientist. William Harris, for 23 years a hardrock miner, is the permanent one-man staff in charge of the underground laboratory.

"In effect, I am the personal nursemaid to 11,000 mice—but it's the most fascinating job I've ever tackled," he said.

Three Laboratories  
It's too early to draw any conclusions, but to date this is the picture:

The project is spread over three mice-crowded laboratories in the McIntyre Porcupine gold mine. Two of them on the 2,875-foot level. There No. 1 laboratory is free of cosmic rays, generally believed to be of solar origin.

Within 200 feet is No. 2 which because of rock formations is subject to the same radiation as if it were above ground. No. 3 is on the surface and its mice feel the full impact of the rays.

Results Observed  
During the first six months, the death rate among mice in the radiation laboratory was almost double that in the radiation-free quarters. In the six months just ended, however, the death rate in the radiation laboratory was slightly under the total for the radiation-free experiment.

One participating scientist warned against undue optimism

forcement provisions from the act and provided that compliance was to be secured through conferences, conciliation and persuasion.

The McConnell amendment was passed by a vote of 222 to 178. 118 Democrats voted for the amendment while 128 Democrats voted against it. In general the Democrats who voted for the amendment were those who had pledged themselves in their election campaigns to oppose federal legislation on civil rights.

These Southern Democrats were joined by 104 Republicans who voted FOR the weakening amendment and AGAINST the platform of their party in favor of federal civil rights legislation. Only 49 Republicans voted AGAINST weakening the bill and in support of the Republican platform.

These figures (Congressional Quarterly compilation) show clearly how the Republicans in the House repudiated their Party's platform.

The totals of the final vote were in the same general proportion but there was this difference: Many Democrats who had voted AGAINST the McConnell amendment voted FOR the revised bill on the issue of final passage because they believed a weak bill was better than none and would help to bring the issue to a vote in the Senate. On the other hand, other Democrats who support federal civil rights legislation decided that no bill would be better than the weakened bill and thus voted against final passage. With the measure defeated in the form they wanted it to be, both groups properly followed the dictates of their own consciences and judgment.

A majority of the Republicans in the House voted against a sound and workable FEPC bill on both tests.

The following is quoted from the Taft-owned Cincinnati "Times-Star":  
"Columbus, O., March 10.—U. S. Senator Robert A. Taft, of Cincinnati, lamented the fact last night in an address before Ohio's

about possible results from the project. He said this is probably the most spectacular of all cancer researches, but not necessarily the most important.

## OUR DEMOCRACY—by Mat

"YOU NEVER MISS THE WATER—TILL THE WELL RUNS DRY"

TO ACCEPT AS A MATTER OF COURSE THAT WHICH IS PLentiful AND AT HAND FOR THE TAKING IS HUMAN NATURE... BUT THE NATION HAS LEARNED THAT CONSERVATION OF ITS RESOURCES—RICH AND VAST THOUGH THEY ARE—IS ESSENTIAL TO OUR FUTURE WELFARE.

SIMILARLY, IT IS LOGICAL TO CONSERVE OUR INDIVIDUAL RESOURCES AND THUS PLAN TOWARD OUR FUTURE WANTS AND NEEDS.



TODAY, DUE TO ADVANCEMENT IN MEDICAL SCIENCE, WE CAN ANTICIPATE AN INCREASED LIFE SPAN, MORE YEARS OF LIVING... THUS MORE OF OUR PEOPLE THAN EVER BEFORE ARE PLANNING FOR RETIREMENT INCOME BY SETTING MONEY ASIDE REGULARLY IN LIFE INSURANCE AND SAVINGS. ONE OF THE MOST IMPORTANT INGREDIENTS FOR A HAPPY OLD AGE IS THE INDEPENDENCE WE ENJOY WITH ECONOMIC SECURITY.

publishers and editors that the American people got all wrought up about minor issues...

"In few words, he said the people became overexercised about such things as... how the Federal program relating to displaced persons ought to be handled, whether the Federal Government ought to fix and control the price of natural gas (for cooking, etc.) or whether there should be a change in the method of electing a President of the United States."

It could be that Senator Taft and a lot of other Republicans are a little UNDEREXERCISED about those matters.

## Give Grandma A Break, Doctor Urges

Before you ask Grandma to help out, give a thought to her age, stamina and state of health.

The hard-working young mother who unknowingly lets her elderly parent help with the children, family problems and other matters often places a strain on the older woman that she is not equipped to bear, declares Faye C. Lewis in the April Journal of Living.

"Not that Grandma isn't willing to help young folks along," says Dr. Lewis. "It would probably grieve her to be deprived completely of such duties. But her stamina is not what it used to be. Her reserve of strength and patience are more easily depleted."

Too much baby-sitting, constant Sunday gatherings at Grandma's house, dumping the children in Grandma's lap when young parents want a vacation, are wearing for a woman over 50. They bring on undue nervousness and fatigue.

"Don't use Grandma for a sobbing station, either," adds Dr. Lewis. "It's all right to tell her about troubles she may help relieve. But seeing her children suffer ill she is powerless to alleviate is more distressing to her than troubles of her own."

## Delicious Covalt Cottage Cheese

NEW!  
CINDERELLA  
TUMBLERS

NOW IN WALT DISNEY'S...



Now you can get that good, mouth-watering Dairy's Cottage Cheese in genuine Libbey Safedge tumblers, decorated with Walt Disney drawings from his latest and greatest full-length cartoon, Cinderella.

Watch the kiddies sit fascinated as you tell them Cinderella's famous story as dramatized on these tumblers.

You'll want a full set, so leave a note for your delivery man tonight, for Dairy's Cottage Cheese tomorrow. Or, if you prefer, pick up Dairy's Cottage Cheese in the new "Cinderella" tumblers at your favorite store.

COVALTS  
DAIRY  
CO.



As a boy, LINCOLN COULD REPEAT ALMOST VERBATIM SERMONS HE HAD HEARD.

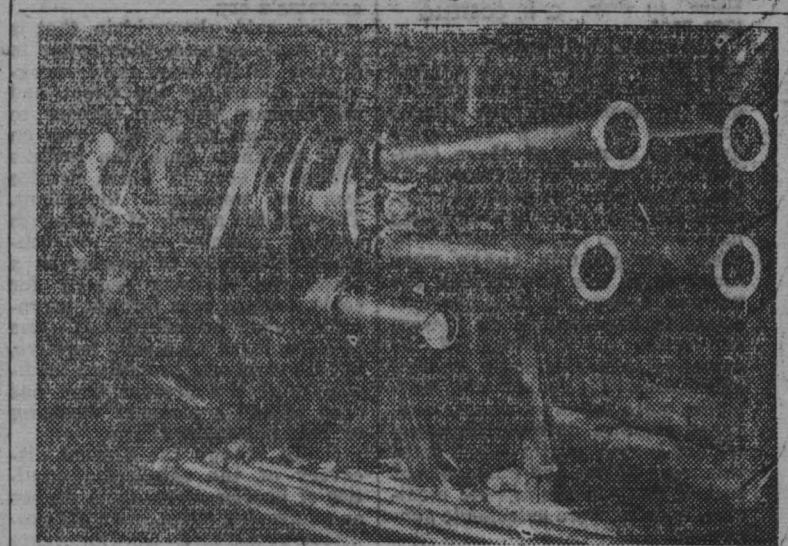
CHURCH CHIMES IN GERMANY ARE BEING MADE OUT OF OLD HORSESHOES. RECAST BECAUSE OF THE SCARCITY OF BRONZE.



The FAMILY OF DR. DANIEL A. POLING, PHILADELPHIA BAPTIST PASTOR, HAS PRODUCED 13 PREACHERS IN SEVEN GENERATIONS.



—Photo Courtesy of Grand Rapids Furniture News Bureau  
This clever drop-leaf desk brings new utility to the one-room apartment. With one leaf raised, it may be used as a dining table for three. With both leaves raised, it is ideal for serving buffet suppers. Authentic Federal American design in solid cherry. (Park Furniture Company.)



Though it looks like the gun turret on a battleship, the picture shows an eight-inch screw machine, the world's largest, in the Canton Bearing Factory of The Timken Roller Bearing Company. Seamless tubing is fed into one end and it emerges at the other in the form of finished bearing cups.  
This mechanical monster is a development in the never ending search for more, faster and better methods of production to keep America and the world rolling.

GO TO CHURCH NEXT SUNDAY



SCIENCE  
—PAGE—New Machines  
And GadgetsNovel Things for  
Modern Living

**Automatic timer** for public speakers operates on three flash-light batteries and utilizes a six-volt buzzer. The allotted time is set on the device. A warning light turns on automatically two minutes before the end of the time. The buzzer operates at the end of the period.

**Roller-skate**, to put under a flat tire on the automobile so that the car may be hauled or driven to a repair station, consists of fabric covering on a light metal frame under which are rubber-tired wheels. By means of a ramp block, the flat tire is easily driven into the cradle of the skate.

**Inner tube** for automobile tires, made with nylon cord for reinforcement, will outwear as many as three sets of tires, it is claimed. In event of a puncture, the nylon construction squeezes rubber around the puncturing object, thereby preventing sudden flats and permitting only slow leakage.

**Radioactivity detector**, shown in the picture, is designed for rugged field use in prospecting for such radioactive ores as



uranium, thorium and radium. It contains a small Geiger tube, and the entire instrument is so constructed that it will operate even after being submerged in water.

**Pocket-size telescope**, of five-inch length and designed for the sportsman or naturalist, offers six-power magnification. It has a scientifically computed system of six lenses that are claimed to give full correction for spherical and color aberration.

**Soldier kit** for Arctic uses by downed aviators includes 22 packages of equipment needed to keep a man alive for several days. Included are a sleeping bag, a canned-heat stove, 10-day food rations, revolver, signalling devices, compass and waterproof matches.

**Alcohol blow torch**, an improved type for use in soft soldering, has a gun grip plastic handle for easy holding and a sliding windshield to permit its use indoors or outdoors with equal efficiency. It produces a flame of over 2700 degrees Fahrenheit.

**Baby spoon**, with a scoop-like bowl "swiveled" to the handle, stays level when being raised to the mouth. When the child puts the spoon against food or against the dish, the slightest pressure downward on the handle keeps the bowl firmly in one position.

If you want more information on the new things described here, send a three-cent stamp to Science Service, 1719 N. St., N. W., Washington 6, D. C., and ask for Gadget Bulletin 510.

## Words in Science—

## Statics—Kinetics

## By Science Service

Statics and kinetics are two major branches of the science of mechanics that tells you what happens when a solid material is pushed, pulled, twisted or squashed—when forces are applied to it.

Statics is at work when the particle or object doesn't move. A force one way is exactly matched by an equal force the other way. The object sits still and takes it.

If the forces are not equal, the object must move, jump, slide or twist in answer to the greater exertion of energy upon it. Kinetics, sometimes called dynamics, will tell you how it will move, the effects of the unbalanced forces.

A third term, closely related, is kinematics. That is the science of motion itself, without regard to forces or bodies of matter. (Copyright, 1950, Science Service)

From Now On: Astronomers to Explore  
Milky Way, Probe for Extent of  
Space During Next Half CenturyBy WATSON DAVIS  
Director Science Service

(Twelfth in a series of glances forward in science.)

Billions of galaxies of stars, each containing more than a billion stars like our sun, many so distant that it takes light a thousand million years to reach from them to us—that is what the universe is made of.

## Sweep of the Sky

To see a sample of one such aggregation of blazing suns, look at the twinkling sweep of the sky on a clear, dark night. The Milky Way is our galaxy, our "universe," our stellar system. The Milky Way is a galaxy seen from the inside.

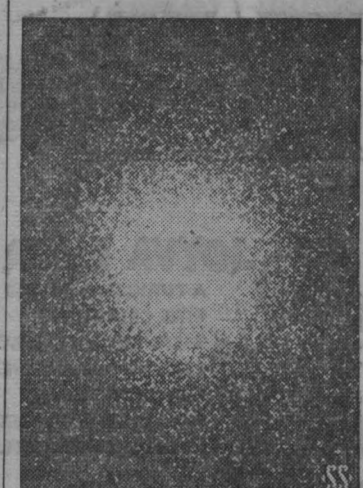
Astronomers build large and wide-sighted telescopes to explore the greatest expanses of space that the senses and minds of men can encompass. From the 200-inch Hale mirror on Palomar to the sprinkling of broad-seeing Schmidts, these are providing the clues to the most magnificent mystery of the universe—the nature of the universe itself.

This search for understanding our place in the nature of things is as old as the very early questioning of the meaning of the sun by day and the moon and the stars by night. We are not far removed from the universe time scale—from Copernicus who de-fused our egocentric confidence that the earth is the center of the solar system. Only a generation ago, some astronomers were hopefully confident that the sun was at the center of the Milky Way and that the Milky Way was the whole of the universe.

## Earth Not Center

Three decades ago, Dr. Harlow Shapley showed the center of our galaxy is about 30,000 years of light travel from us, and we are far off-center, in but one of the millions of "island universes."

If we were not so aware of the power of scientific method and fact, this idea would be humiliat-



Globular star clusters, like the one above, are nowhere near the size of a galaxy, yet they contain tens of thousands of stars like our sun or larger.

ing to our human estate. It does do violence to any tendency toward master race complexes, and raises, inevitably, the suspicion that there exist other worlds than ours—although one must hasten to add there is no good evidence for such existence. Such thoughts prove to be the fabric of philosophy and religion. But the astronomers are less concerned with the meaning of their discoveries than they are in discovering the universe. The big task is to photograph, explore and puzzle the physical relationships. Let the morals fall where they may.

## New Telescopes

Using the new improved telescopes—and the extraordinary improved photographic plates that have doubled telescopic efficiency in the past decade—is only part of the detective work of the astronomer. When the plates are ready, their meaning must be deciphered through the complex clues of modern astronomy.

Prisms are used on some telescopes to spread the star light into "rainbows" from which the nature of the star can be determined.

Two tiny black dots on photographs taken through a telescope

may look exactly the same and the stars making them may be very different indeed. So the spectra of the stars made with the use of prisms are very revealing, and so are the photographic plates that are sensitive to different kinds of light, such as red light and blue light.

Once the astronomers have read the light of the stars they know a great deal about them. Some stars, by reason of the way they fluctuate in brightness in a definite rhythm or period, can have their actual candle-power determined, and by comparing their seeming brilliance with the actual brilliance, their distance away can be told. They can be used as yardsticks to tell the distance of the star clusters in which they are located.

Because of the great multitudes of stars and because new factors, like great clouds of interstellar dust that obscure parts of the sky are often discovered, the task of the astronomer is long-continued, tedious, and meticulous—although awe-inspiring and exciting. The past decades of this century have been an era of great discovery in the universe. But the future promises greater fruits in the exploration of space, time and matter.

## The Years to Come

In the years to come, as telescopes and astronomers continue their work, we can expect:

A. More knowledge about the Milky Way galaxy in which we live, determining the influence of dust clouds on our estimates of the size and the future history of the Milky Way.

B. Exploration of the extent of space, particularly the discovery as to whether the great galaxies are evenly distributed or whether they thin out or thicken up in some part of space—facts that are very vital to theories of the nature of the universe.

C. Knowledge of the planetary family, since even from distant stars we may glean some bit of knowledge about our own star, the sun, that may help us in understanding its many influences upon the earth.

(Copyright, 1950, Science Service)

## You Can Do It . . .

## Make Knock-Down Frame

By JOSEPH H. KRAUS

Science Service Home Editor

A simple cold frame to be set up quickly or knocked down for storage when it has served its purpose will allow you to plant the many annual flowering plants and vegetables which require an early start if they are to produce satisfactory results the first year.

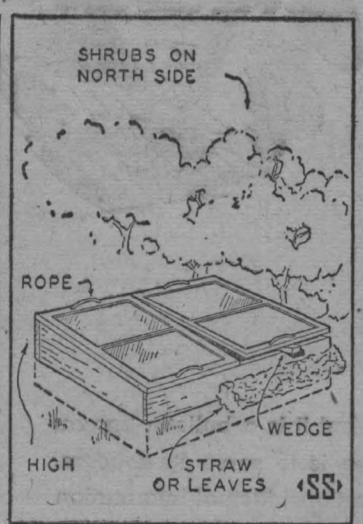
A cold frame will protect plantings against a light frost. A space five feet square is sufficient to accommodate all of the seedlings you likely will need for a garden of good size.

Perhaps it is best to determine the size of the frame from any old storm sash you may have around the house, or any which you can procure at minimum price. However, it is not at all difficult to make the satisfactory equivalent even from a pair of old window screens.

Assuming that you will set two such frames side by side, measure the lumber for the sides of the frame. One-inch-thick wood, ten inches wide across the back and sides and eight inches wide across the front will answer the requirements. If material is not available in one piece, two pieces may be cleated and nailed together.

The sides slope, as the diagram shows. These may be planed off to provide a natural run-off for rain but it is perfectly possible to dispense with this operation and merely set the side boards into the ground at an angle.

If you have sash, drill a couple of holes at top and bottom of each for a tight fit on short lengths of rope which serve as handles. Bring holes far enough



inward so that the rope knots will just miss the wooden sides.

However, if you intend to use old screens, remove the molding around the edges and replace the screen wire with a plastic filled wire screen, often used to cover window areas of hen houses. In some respects this material is better than glass because it doesn't break and allows the ultraviolet rays to come through.

You can make your own frames from one-by-two-inch stock, using three-inch nails at the corners. Molding for glass may be added, if desired, if no other satisfactory wood is available. Paint all wood and let dry. Putty glass sash if needed.

With everything in readiness the entire unit may be set up within a half hour. Lay the front board flat on the ground so that it runs roughly east and west. Use this as a guide, or mark the soil with pointed stick. With the

blunt end of a pickaxe cut a slot into the soil about four inches deep, tossing the excavated material toward the center. Push front board into the slot and pack with dirt to hold it in a vertical position. This is to be the south end of the cold frame.

Using the sash to establish the distance from front to back, locate the rear board and repeat the digging and insertion. Have this board, representing the north side of the frame, several inches higher than the south edge.

Put sash on both boards and slide from end to end to make sure that the sides are parallel. Whether they are level or not makes little difference, but if you have a level you will find the job can be completed more quickly by using it.

Drop in the boards at the sides and bring them flush with the front and back, for a tight fit. This is easily done by removing or replacing soil under the board. Corners may now be nailed together or stakes may be driven into the ground to hold parts in position.

Pack straw, leaves, or dirt against the sides and put sash in place. If sash tends to slip away, a couple of wooden cleats nailed to it from below will prevent shifting, or a couple of stakes driven into the ground outside the frame will serve as well.

A day or two of sunshine will warm the soil inside sufficiently to be worked and planted. A wooden wedge under each frame will allow for air circulation, particularly needed if too much moisture condenses under the cover. At end of season remove and store parts in dry place. (Copyright, 1950, Science Service)

## Evolution of Galileo's Law Traced

By Science Service

Take a tennis ball and a heavy rock up to the top of the Empire State building. Create a vacuum in one of the elevator shafts, to get rid of the air resistance. Drop them both down the shaft.

If you have an elevator fast enough to get you to the bottom before the ball and the rock arrive, you will see that they hit bottom at the same time. Their mass does not affect their speed.

This is what is known as Galileo's law of falling bodies. But, according to Marshall Clagett, associate professor of the history

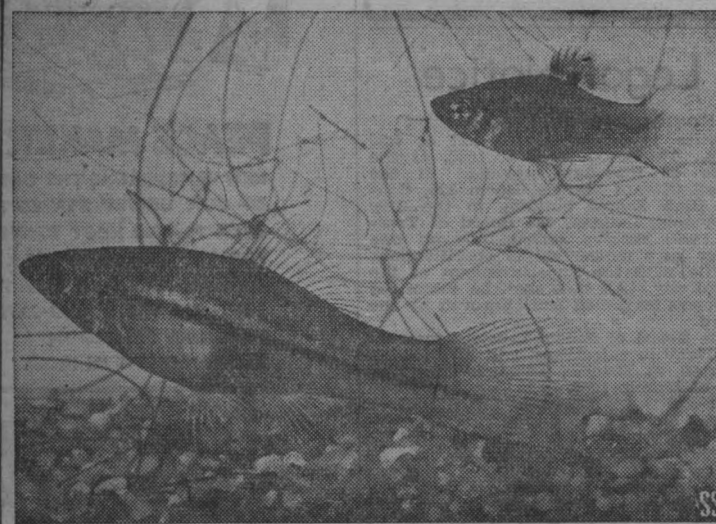
of science at the University of Wisconsin, Galileo perhaps should not have full credit for devising this law.

Prof. Clagett is planning a trip—his third—to the libraries of England, France and Italy to record the parchment manuscripts of such men as Jordanus, Ockham, Buridan, Heytesbury and Oresme. These scientists, living in the 13th and 14th centuries, conducted work on the problems of accelerated motion which broke the path for Galileo's law.

As early as the sixth century at least one man had shown, on the basis of experiment, that weight or size had nothing to do with the speed of falling bodies. However, at that time the intellectual weight—if not the scientific proof—lay with Aristotle, who believed heavier objects fall faster than light ones.

These men, says Clagett, were the beginners, amateurs in science, who were developing the scientific method. They were making advances over Aristotle, advances which were to be at least partially influential upon the work of Galileo. (Copyright, 1950, Science Service)

## Cancer in Tropical Fish



Note the little black spot on the base of the dorsal fin of the smaller fish, above. This is a platyfish. The black spot is a potentially dangerous black pigment cell. The platyfish was bred with the larger fish—a swordtail.

Heredity Factors in Cancer  
Studied With Platyfish

By WADSWORTH LIKELY

Science Service Staff Writer

Tucked away, practically in the attic of the American Museum of Natural History in New York, are 3,000 tropical fish and a man who has spent 30 years with them.

He is Dr. Myron Gordon, geneticist of the New York Zoological Society. He is studying "black cancer"—melanomas—the kind that in humans sometimes, but fortunately rarely, develops from moles.

## Thirty Years

In his 30 years of breeding fish, he has found in these fish a link between heredity and black cancer.

Specifically, Dr. Gordon is studying the effects of heredity on pigmented cancer cells—what happens in the offspring of black-spotted fish with certain known kinds of genes.

The important thing about Dr. Gordon is not only what he has been able to contribute to the general but still incomplete knowledge about cancer. It is that he is typical of hundreds of scientists, in hundreds of research laboratories, each studying particular parts of this big problem, each contributing their bits of new-found knowledge to the picture.

Someday, that picture will take complete shape. Then we shall know what causes cells to run wild and destroy the body. When we know that, we will begin to know how to deal with cancer.

## Injurious Genes

But Dr. Gordon's work of interbreeding different species and different populations of tropical fish has a larger application than just to cancer. In a recent report on his work, he said: "From the point of view of public health and preventive medicine, it is of the utmost importance to know the frequency of 'injury' genes in population. With knowledge of gene frequencies, students of population genetics and statistics will be able to predict the frequencies of these diseases in which the genetic factor is paramount. Great strides are being made in the study of the blood groups in various human populations. In the future the practice will and must be extended into every important genetically influenced condition of man."

## Six Rivers

A condition of geography made Dr. Gordon's current studies possible. In southern Mexico, Guatemala and British Honduras there are six rivers that empty into the Gulf of Mexico and the Caribbean Sea. Geologists have told Dr. Gordon that these rivers have been separated for at least 300,000 years.

But there are fish of the same species—the platyfish—in all the rivers. However, even though six of these fish belonged to the same species, there were differences in coloring. Some were spotted on the side, some had stripes, some had small black spots in their dorsal fins.

In all Dr. Gordon found five different varieties of the heavily spotted patterns on his platyfish. The pigment cells that go to make up the patterns are large and are called macromelanophores. The black pigment cells that cover the body as a whole are small, they are called micromelanophores.

Macromelanophores are potentially dangerous, because they may change radically from normal cells to cancerous ones. When this happens, black cancer, or



These are the offspring of the platyfish-swordtail breeding. In these hybrids, black cancer, melanoma, has developed and pretty well covers the dorsal fins. The delicate genetic balance which, in the pure platyfish, kept the black pigment cell from developing into cancer, has been upset.



This platyfish shows the result when the genetic balance is upset for both black and red pigment cells. The melanomas have spread over almost all the body. Study of such fish will help in determining the heredity factors in cancer.

one platyfish, called mutation, which is what takes place when a gene of one kind changes into another kind.

## Harmful Mutations

Some previously existing cells in this platyfish were changed into macromelanophores. Biologists and geneticists know that most mutations are harmful, if not lethal, and therefore, the gene which produced these spots was probably a killer. The black cells grew without restraint and probably produced black cancer.

But there were other mutations, and some of them must have produced in some platyfish not yet hit by black cancer cells the genes which could modify or restrain black cancer cells.

Thus when the platyfish with the modifiers mated with the fish with the lethal potentially black cancer cells, a genetic balance was set up.

Thus there was produced in different rivers different strains of the same species of fish which transmitted, from one generation to another, genes which produced potentially dangerous macromelanophores. They never did get dangerous—develop into black cancer—because a delicate genetic balance had been set up.

Dr. Gordon has upset that balance in his museum attic aquarium. By upsetting the genetic balance and studying the results, he can learn a little more about the hereditary factors in cancer. He says, "If the practical aspects of these studies seem remotely associated with the immediate need for the discovery of the cause and the cure of cancer, the fact that follows should be kept in mind—we geneticists never forget it."

"The cancerous fish produced genetically are used as our aquatic guinea pigs. We are seeking the answers to these questions: What chemical and physical forces can change normal melanophores to cancerous melanoblasts? What chemical and physical agents can reverse the process in changing the cancerous melanoblasts back to normal pigment cells? These are the problems for today and tomorrow." (Copyright, 1950, Science Service)

## Hormones Help Tomatoes

By Science Service

Home gardeners who want to get the jump on their neighbors with lots of early tomatoes should try the new "fruit-setting" hormones.

Results of the first year's tests with these growth-regulating substances by Cornell's Agricultural Experiment Station in upstate New York showed a big jump in the yield of early tomatoes. The hormones pollinate the blossoms that ordinarily would fall off. Also, tomato blossoms usually will not set fruit if the night temperature goes below 60 degrees. But the hormones give nature an assist by pollinating the blossoms artificially.

Those who use the hormones, however, should be prepared to sacrifice a portion of the total yield of the season for a greater, more profitable early yield, says Cornell Professor J. H. Carew. (Copyright, 1950, Science Service)

## Nature Ramblings

By Science Service

## PORCUPINE



to tail, stand out from the body, like pins in a pin-cushion with the pointed ends out.

The porcupine takes a position with its tail to its foot, and as the puzzled would-be attacker circles looking for someplace to catch hold of its prey, the porcupine shuffles around to keep its tail pointed to the intruder. If the latter is foolish enough to lunge to the attack, the porcupine delivers a powerful upward blow with its tail, driving quills into the attacker's chin and throat, and at the same time guiding the attacker's mouth and face into the thicket of quills on its back. The quills are as much as five

inches long and barbed. It takes a man with pliers to pull one out. An animal can not remove them unaided. They work their way in deeper and deeper. Experts disagree on how serious these quill wounds are. Some believe they can lead to death, either from starvation resulting from quills in the mouth, making eating impossible, or else from the eventual penetration of a quill to some vital part. Others think the quills are absorbed eventually by the body tissues, causing pain but no serious harm.

It is popularly thought that porcupines throw their quills like darts in self-defense. Zoologists who have studied the matter think that strictly speaking this is not so. Quills are constantly growing, being lost, and growing in again. The older quills are quite loose. It sometimes happens that a disturbed porcupine will flip up its tail and a loose quill will fly off. The odds against such a flying quill hitting a target, to say nothing of sticking into it, are very slim. (Copyright, 1950, Science Service)



## Legal Notice

**INDIANA ALCOHOLIC BEVERAGE COMMISSION**  
201 Illinois Bldg.  
Indianapolis  
Indiana  
Bernard E. Doyle, Chairman  
Walter A. Rice  
Glen A. Markland  
Wm. T. Steinsberger  
John F. Noonan, Secretary  
Bernard E. Doyle, Chairman

**LEGAL NOTICE OF PUBLIC HEARING**  
Notice is hereby given that the Local Alcoholic Beverage Board of Delaware County, Indiana, will, at 9 A. M., C. S. T., on the 5th day of April, 1950, at the Clerk's office Court House, in the City of Muncie, Indiana, in said County, begin investigation of the application of the following named person, requesting the issue to the applicant, at the location hereinafter set out, of the Alcoholic Beverage Permit of the class hereinafter designated and will, at said time and place, receive information concerning the fitness of said applicant, and the propriety of issuing the permit applied for to such applicant at the premises named:  
Bernard Joseph Walsh, (Grocery) 72741, 121 W. Howard, Muncie, Ind., Beer Dealer permit.  
Harry F. Potter, 73715, transfer from Ollie Jenkins beer, liquor, wine, retailers permit, 107 W. Main, Muncie, Ind.  
**SAID INVESTIGATION WILL BE OPEN TO THE PUBLIC, AND PUBLIC PARTICIPATION IS REQUESTED.**  
**INDIANA ALCOHOLIC BEVERAGE COMMISSION**  
By JOHN F. NOONAN, Secretary  
Bernard E. Doyle, Chairman

## Legal Notice

**NOTICE TO BIDDERS AND THE PUBLIC:**  
Notice is hereby given that the Board of Public Works and Safety of the City of Muncie, Indiana, will on the 5th day of April at the hour of 10 o'clock a. m., A. D., 1950 at the office of said Board, in the City Building in the City of Muncie, Indiana, receive bids for the purchase of the following equipment:  
Solo Motorcycle (Specifications on file in office of Board of Works.)  
Each Bidder should file two (2) bids: (1) one for the price of the above item and (2) one for the price of the above item with a trade in by the City of Muncie of: 1-three (3) wheel Motorcycle and 1-two (2) wheel Motorcycle.  
Said above described items are to be purchased for the use of the Police Department of said City.  
Bids may be made on any of the above described items and must be submitted on forms prescribed by law, which forms may be obtained in the office of said Board. Bids must be submitted on each of the above described items separately, should be sealed and must be deposited with said Board at its office on or before the hour of 10 o'clock a. m. on the 5th day of April, 1950, and each such proposal or bid must be accompanied by a certified check payable to said City with good and sufficient surety thereon, in the sum of \$1000.00 or a sum equal to 10% of the total bid submitted by such bidder, whichever amount is the lesser, to the approval of the Board, to secure the performance of such bid or contract.  
All Bids and letting of any contracts hereunder shall be made in accordance with and governed by the terms of Chapter 99, of the Acts of 1945.  
Said Board reserves the right to reject any and all bids.  
Board of Works & Safety of the City of Muncie, Indiana  
(PD)—Mar. 24-31.

## Legal Notice

**NOTICE TO BIDDERS AND THE PUBLIC:**  
Notice is hereby given that the Board of Public Works and Safety of the City of Muncie, Indiana, will on the 5th day of April at the hour of 10 o'clock a. m., A. D., 1950 at the office of said Board, in the City Building in the City of Muncie, Indiana, receive bids for the purchase of the following equipment:  
One diesel engine type tractor of not less than 65 Belt H. P. or less than 55 Drawbar H. P. This tractor must be such that Ditch Bulb Serial and Model SP60-LBPWC-1563 can be attached.  
Trade in on above tractor one International TD14 crawler tractor (cab and bulldozer attachments not included) now owned by the City of Muncie.  
Said above described items are to be purchased for the use of the Street Department of said City.  
Bids may be made on any of the above described items and must be submitted on forms prescribed by law, which forms may be obtained in the office of said Board. Bids must be submitted on each of the above described items separately, should be sealed and must be deposited with said Board at its office on or before the hour of 10 o'clock a. m. on the 5th day of April, 1950, and each such proposal or bid must be accompanied by a certified check payable to said City with good and sufficient surety thereon, in the sum of \$1000.00 or a sum equal to 10% of the total bid submitted by such bidder, whichever amount is the lesser, to the approval of the Board, to secure the performance of such bid or contract.  
All Bids and letting of any contracts hereunder shall be made in accordance with and governed by the terms of Chapter 99, of the Acts of 1945.  
Said Board reserves the right to reject any and all bids.  
Board of Works & Safety of the City of Muncie, Indiana  
Mary Frances Leonard  
Secretary of the Board.  
(PD)—Mar. 24-31.

## Legal Notice

**NOTICE TO BIDDERS**  
Notice is hereby given that sealed bids will be received by the Trustee and Advisory Board of Liberty Township, Delaware County, Indiana, at the office of the said Trustee located in said township, up to the hour of five o'clock, p. m. on the 5th day of April, 1950, for the furnishing of one:  
Fire Truck and equipment.  
The pump and equipment must pass the National Board of Fire Underwriters test, and said equipment is to be mounted on not less than a two to two and one half ton truck chassis and cab, all according to plans and specifications now on file in the office of said Trustee.  
Each bid shall be accompanied by a certified check or bond in an amount equal to five per cent of the maximum bid submitted and payable to the Trustee of said township.  
Bidders may bid on (1) Truck chassis only (2) Fire apparatus and equipment only (3) on truck chassis and fire apparatus complete.  
The right is reserved to reject any and all bids.  
By order of the Township Trustee of Liberty Township, Delaware County, Indiana.  
March 24, 1950.  
Parker E. Thornburg  
Township Trustee  
Liberty Township  
Delaware County, Indiana  
Bernell Mitchell  
Township Attorney  
(PD)—March 24-31.

## REGISTER! !

You must be registered to vote. Precinct registration in the county before April 3, boards will visit every precinct the final day to register or to transfer registration.  
The county clerk's office at the courthouse will be open daily from 8:30 a. m. to 4 p. m., except Wednesdays and Saturdays when the hours will be 8:30 a. m. to 12 noon.

## Legal Notice

**NOTICE FOR RECEIVING BIDS**  
Notice is hereby given that at 4:30 p. m., Thursday, April 6, 1950, at the office of the Superintendent of the School City of Muncie, Room 226, Central High School building in the City of Muncie, Indiana, the Board of Trustees will receive sealed bids on one power lawn mower as per specifications on file with the Superintendent of the school city. All bids shall be submitted on forms furnished and approved by the Board.  
The Board of School Trustees reserves the right to reject any and all bids.  
Dated at Muncie, Indiana, this 23rd day of March, 1950.  
**BOARD OF SCHOOL TRUSTEES**  
Norman K. Durham, Pres.  
Marie W. Owens, Treas.  
Joseph L. Douglas, Sec.  
R. D. Shaffer, Supt.  
(PD)—March 24-31.

## Legal Notice

**NOTICE OF RECEIVING BIDS**  
Notice is hereby given that at 4:30 p. m., Thursday, April 6, at the office of the Superintendent of the School City of Muncie, Room 226, Central High School building in the City of Muncie, Indiana, the Board of Trustees will receive sealed bids on pupils' and teachers' furniture for kindergarten through third grade in the new Garfield building, as per specifications on file with the Superintendent of the school city. All bids shall be submitted on forms furnished and approved by the Board.  
The Board of School Trustees reserves the right to reject any and all bids.  
Dated at Muncie, Indiana, this 22nd day of March, 1950.  
**BOARD OF SCHOOL TRUSTEES:**  
Norman K. Durham, Pres.  
Marie W. Owens, Treas.  
Joseph L. Douglas, Sec.  
R. D. Shaffer, Supt.  
(PD)—March 24-31.

## Legal Notice

**NOTICE TO NON-RESIDENTS STATE OF INDIANA, ss:**  
DELAWARE COUNTY, ss:  
IN THE DELAWARE SUPERIOR COURT  
January Term, 1950  
Complaint Divorce and Alimony  
No. 14047-S  
Virginia B. Perkins  
vs.  
Herbert W. Perkins  
Notice is hereby given the said defendant, Herbert W. Perkins, that the plaintiff has filed her complaint herein, for divorce and alimony together with an affidavit that the said defendant, Herbert W. Perkins is not a resident of the State of Indiana, and that unless he be and appear on Tuesday the 25th day of April, 1950, the 14th day, the next term of said Court, to be held on the Second Monday in April, A. D., 1950, at the Court House in the City of Muncie in said County and State, the said cause will be heard and determined in his absence.  
WITNESS, the Clerk and the Seal of said Court, affixed at the City of Muncie this 28th day of March, A. D., 1950.  
Herbert A. Milhollin, Clerk  
Gene Williams, Plaintiff's Attorney.  
(PD)—March 31-April 7-14.

## GREATEST FLOOD.

The greatest flood disaster in history is thought to have been the overflowing of the Hoang-Ho river, in China, in 1887. It is said to have taken a toll of from 1,500,000 to 7,000,000 lives.

# ODD BUT TRUE



## HOT DOGS

EARLY AMERICAN COLONISTS TOOK THEIR DOGS TO CHURCH WITH THEM TO KEEP THEIR FEET WARM. THE CHURCH CHARGED SIX PENCE ADMISSION PER DOG.



## PEACE MAKER

NEW HAMPSHIRE IS THE ONLY ONE OF OUR UNITED STATES TO HAVE EVER PLAYED HOST TO THE FORMAL CONCLUSION OF A MAJOR FOREIGN WAR, WHEN THE TREATY SETTLING THE RUSSO-JAPANESE WAR WAS SIGNED IN PORTSMOUTH IN 1905.



**YOUR LOCAL RED CROSS NEEDS YOUR HELP**

## JOYVA EVER

A TURKISH BOY AND GIRL CELEBRATE THEIR BETHROTHAL BY FEEDING ONE ANOTHER PIECES OF JOYVA, THE WORLD'S OLDEST KNOWN CONFECTION.



## DIP-SY DOODLE

JOE PICKETT, A TEXAS COWBOY, DROPPED HIS RONSON LIGHTER INTO THE DIPPING VAT WHILE DIPPING COWS DURING THE FALL ROUNDUP. WHEN THE VAT WAS DRAINED THE FOLLOWING SUMMER, PICKETT RECOVERED HIS RONSON LIGHTER WHICH, ALTHOUGH IT HAD LAIN IN THE CORRODING SOLUTION ALL WINTER, WAS IN PERFECT WORKING CONDITION.

"Your Newspaper—What Makes It Great"

"For men may come and men may go But I go on forever."



# Dairy Caravan At Muncie Armory, April 4

The Purdue University Dairy Caravan, canceled during the coal shortage, will appear at the Muncie Armory April 4, it was announced Saturday by James Luzader of R. R. 2, Gaston, local chairman.

To consist of talks by Purdue extension specialists and of eight educational exhibits, the caravan is sponsored by the Purdue extension service and by dairy interests.

The caravan, which last year attracted more than 24,000 dairy-minded Hoosiers in 33 counties, has proved to be one of the most popular rural educational features used by the state extension forces," according to Darius Kinginger, who is chairman of the exhibit and floor plan committee.

One of the principal attractions which is expected to arouse interest here is the "Magic in Milk" exhibit, which says County Agricultural Agent M. E. Cromer, "will emphasize the health value of milk to both children and adults."

Other exhibits will include "A Safe Water System," "Farm Safety," "Quality Milk," "Milk-Parlors," "Artificial Breeding," and "Brucellosis."

The exhibits are to open at 10 o'clock in the morning and after lunch specialists will conduct discussions in their particular fields.



From where I sit... by Joe Marsh

## "Curfew Shall Not Ring Tonight"

Our ten o'clock curfew lasted for 50 years, but the town council voted it out. I dropped in at the meeting in Town Hall last week just in time to hear Smiley Roberts.  
"The curfew is old-fashioned," says Smiley. "We ought to be grown-up enough by now to behave like grownups. Seeing to it that our kids get to bed is the responsibility of each family." Then Judge Cunningham adds, "Most of us are in bed when the curfew horn blows anyway. It wakes me up just when I'm getting to sleep!"  
What the Judge said was good

for a laugh, but Smiley just about summed up how folks think in this town. We believe that the democratic tradition of "live and let live" is the only way to live.  
From where I sit, it's not the American way to regulate your life by a horn—any more than it's right to criticize my caring for a temperate glass of beer now and then. Think what you wish, say what you wish, but don't ask your neighbor to do exactly as you do!

Joe Marsh

# WHITE'S SUPER MARKETS

We Handle THE FINEST OF FOODS at 730 W. JACKSON and 1204 E. ADAMS



**HARRISON HOTEL**  
FOR CONVENIENCE...  
Drive your car right into our 600 car garage and go direct from the garage into the Hotel lobby.  
FOR COMFORT...  
Chicago's newest... the decor of THE HARRISON is that of a fine, modern home. Each room has private bath, free radio and circulating ice water. Public rooms are smart and attractive... with comfort a keynote.  
FOR ECONOMY...  
Rated as one of the smartest hotels, THE HARRISON is also one of the most reasonable. Room prices start from \$3.00 single, and overnight accommodations for a family of four may be obtained for as low as \$8.00 per day. Whether alone for a short business trip, a pleasant weekend with your wife or an outing with the entire family, THE HARRISON offers the very best in convenience, comfort and economy.  
**The Harrison Hotel**  
Just Off Michigan Boulevard  
on Harrison Street

**STOP AND SAVE AT THE BEDDY GROCERY**  
FROZEN FOODS — MEATS — VEGETABLES  
GROCERIES OF ALL KINDS.  
827 W. Charles Phone 8671

**Wet Spell Brings Heavy Losses to County's Farmers**  
**Weather Man Says Rain to Continue; Farmers Concerned**  
**Poor Haying Weather Forecast**  
**250 Tons of Hay Lost Yearly**  
**Don't Count on the Weather...**  
**Save your Hay Crop with an Electric Hay Dryer**

**Out-smart summer storms by planning an electric hay dryer now.**  
This modern curing method not only saves your crop but gives you a better grade than sun-cured hay from the same fields. It retains more of the nourishing leaf. Bleaching is prevented.  
If you're interested in ways to keep farm profits up when prices level off, call in one of our rural men and let him tell you the whole hay dryer story. No obligation.

**INDIANA & MICHIGAN ELECTRIC COMPANY**

The modern newspaper is not an encyclopedia, but it is a bulletin bureau of useful and helpful information. Again its purpose is to serve its readers, to give them so far as possible, practical hints, suggestions, factual information that will help them in their many endeavors, and interests.

For the housewife, house problems are made easier through helpful suggestions. Lest her ceaseless round of duties become stale and boring, she is given daily household hints on menus, recipes, serving, and the like. If she has clothes on her mind, perhaps there is a style, a pattern, an idea. If it is flowers or gardening she is absorbed in, here are helpful hints and ideas on this subject.

A vocabulary builder and a good means of entertainment is the daily cross-word puzzle. Question and answer features, covering a wide variety of subjects, furnish thought stimulation and are a refresher to readers on matters on which the memory may have become dull. Intriguing, practical, and educational, such features are awaited eagerly by the newspaper reader.

Farmers are careful and eager readers of the newspaper, nor have they been overlooked. Now a progressive business, farming is so recognized by the newspaper. Farm news and farm views, bristling with interest and constructive help, are today found in every live newspaper.

Of paramount interest to the farmer, but of general interest to all, is the daily weather report. The time of daily sunrise, sunset, moonrise and moonset, the daily temperatures, high and low in leading cities, yes, even tide readings on the beaches, all appear in your newspaper.

Your newspaper serves its readers. Millions regard it as a flash bulletin service that provides practical hints and information on subjects as wide and varied as human endeavors.

## PAYS ITS WAY.

Electric Hay Dryers step up quality of hay, often from U.S. No. 3 to U.S. No. 1.  
With better hay you save on supplementary feed.  
Extra milk from as few as six cows can pay for the entire installation in a year.