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SANTA CRUZ PATAGONIAN

Come to Patagonia for Your Summer Vacation. Enjoy the Cool Nights and Sunshiny Days. Cattle Raising, Dairying, Farming, Mining, Are its Principal Industries. Here You Can Enjoy All the Freedom of the West.

VOL. XV

(\$2.00 a Year in Advance)

PATAGONIA, ARIZONA, FRIDAY, JANUARY 21, 1927

(Single Copy 5 Cents)

NO. 7

PERSONAL MENTION

Col. J. I. Jones of Parker Canyon, who has been suffering with a severe attack of flu in a Nogales hospital, has returned home much improved.

Mr. and Mrs. Robert Laney left Nogales Thursday and will make their home in Tombstone. Mr. Laney operates the Tombstone-Nogales stage, and will reverse his schedule, starting and finishing his trip in Tombstone.

Judging from the evidence in the newspapers, most divorce cases might be better solved if they could be tried before a lunacy commission.

FOR SALE—Re-cleaned Milo Maize and Kaffir Corn, \$2.25 f. o. b. my ranch in the San Rafael Valley, or \$2.35 per hundred f. o. b. Patagonia. Write Howard Keener, Patagonia, Arizona.

Mrs. William Heady and Paul Sehlter of Duquesne were Nogales visitors Monday.

Ernest Beat and Pete Bergier of Serrano Canyon were county seat visitors Monday.

Carl Zinsmeister of the Circle Z ranch was in Nogales on business Monday.

Mr. and Mrs. William Parker of Canille were visitors Tuesday at the San Rafael Valley ranch of Miss Grace Van Osdale.

Ralph H. Zimmerman, principal of the Patagonia Union High school, was a Nogales visitor Monday evening.

Miss Grace Van Osdale of the San Rafael Valley was a Patagonia visitor today.

A number of Patagonians will form a motorcycle today for a trip to Tombstone this evening to lend their moral support to the basketball team of the P. U. H. S., which plays in that city tonight.

SIX MINES CONSOLIDATED BY ED WILSON AND ASSOCIATES

The consolidation of six mines in the Harshaw district has just been completed by Ed Wilson and associates. They are the World's Fair, Chief, Henry Ford, Red Fox, Exposed Reef, and Blue Eagle. The mines are lead-silver producers and have good records for production in former years.

A big male deer met and charged a Ford car on a Pennsylvania road, wrecking the machine in spite of the driver's attempt to pass the buck.

It would help a lot if folks could live within their means and without their meanness.

Fashion Note: Knees will be worn lower next season.

IF YOU WANT PEACE—

Under the above caption, the New York World, on January 13, printed the following editorial, which is much interest just at present, owing to the unsettled condition of our relations with our sister republic:

"The extreme gravity of the Latin-American crisis can no longer be doubted. The United States is nearer to war with Mexico than it has been since Pershing's expedition and the landing at Vera Cruz. If the American people desire to preserve the peace, they have no time to lose in making their will known to the President, his Secretary of State and to the Congress of the United States.

"Yesterday Secretary Kellogg struck a blow at Mexico which can be interpreted in one of two ways: as utterly irresponsible or as deliberately unfriendly. He issued a document containing some vague resolutions and statements made by Russian Bolsheviks, and by implication held President Calles and the Mexican government responsible for what the Bolsheviks said they hoped to do. There is no shred of evidence submitted to show that President Calles subscribed to the Bolshevik resolutions or agreed with them. The vapors of Communism in Moscow about Mexico are given out as if they were the policy of Mexico.

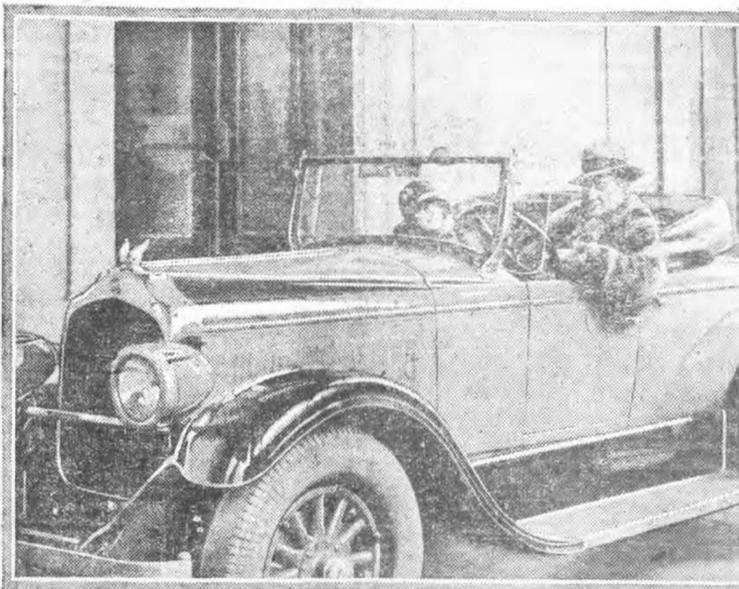
"One can only characterize this as a degrading form of propaganda aimed either to save Mr. Kellogg's face in the Nicaraguan mess, or as part of a concerted effort on the part of the State Department to mislead and inflame American opinion as the prelude to a diplomatic rupture and an armed intervention. The incident of last November when the State Department made the same charge of Bolshevism anonymously through the Associated Press seems to point to the conclusion that a policy of deliberate incitement has been adopted. The concentration of armed forces which are much larger than any which could conceivably be employed in Nicaragua may have some bearing on the purposes of the Administration.

"If the American people want peace, they cannot afford to wait until they have become entangled in Mexico as they are already entangled in Nicaragua. They must act now before the fatal decisions are taken, before the war psychology is aroused and men cease to be reasonable. The situation is so delicate, the forces pressing for intervention are so powerful, the opposition is as yet so disorganized and unroused that there is no telling what might happen if a blood-curdling incident were to occur in Mexican territory.

"The stage is set for very serious things, and if the American people want peace they will have to begin to fight for it now. They cannot trust either to the good intentions or to the wisdom of the State Department. For the State Department is clearly and unmistakably looking for trouble."

Subscribe for your home paper; \$2

"Paradise For Two"



Richard Dix and Betty Bronson in a Chrysler Imperial "50" roadster at the Long Island, New York studio of the Famous Players-Lasky Corporation shortly after the completion of the Paramount picture, "Paradise For Two," in which Mr. Dix and Miss Bronson are starred.

Do You Know?

15. What is light?
 16. What makes the different colors?
 17. How do we see?
 18. What causes color blindness?
 19. Make a diagram for use in describing waves—light, radio, sound, etc.
 20. Why can't we see around the corner of a building?
 21. What is the origin of Ground-Hog Day?
- A New Way to Learn One Worth While Thing Each Day**
- A set of seven questions will appear herein each week, pertaining to: Common things—how they work, what they are made of; story of the stars, the earth, life, electricity, radio, history, geography, economics, law, health, manners, customs; man, animals, birds, plant life; miscellaneous.
- Correct Answers Given next Week**
- See how many you can answer by that time. They will embrace the fundamentals of a liberal education. Get a scrap book and keep for future reference.
- ANSWERS TO LAST WEEK'S QUESTIONS**
8. What is a vacuum? Any air-tight container, or space, as the interior of a closed vessel, from to
 9. How to boil water without heating it? The boiling point of water varies with the air pressure. At sea level, where the pressure is about 15 pounds a square inch, water boils at 212 degrees; on a high mountain at 180 degrees. With each 510 feet increase in elevation, it boils at one degree less temperature. In a vacuum (with little or no pressure) it boils at about 50 degrees. This effect of diminished pressure is utilized in sugar boiling, preparing extracts, distilling vegetable oils, and other processes where the substances are likely to be injured by high temperature.
 10. How is condensed milk made? Milk is seven-eighths water. It is condensed by boiling out a large portion of water. This is done in a vacuum pan, a kind of large, closed, metal retort. A partial vacuum formed in it allows the evaporation to take place at a lower temperature. This obviates the danger of burning, and hastens the process.
 11. What is a Barometer? Barometer (Baroa, weight; meter, to measure). An instrument for as-

All Episcopal Church Forces United for Bishops' Crusade

In the sequestered shades of the National Cathedral at Mount St. Alban, Washington, a group of bishops and laymen of the Episcopal Church are struggling with a problem which has turned politicians bald and gray. Beginning January 1, 250 bishops, priests and laymen of the Church will embark on the nation-wide Bishops' Crusade to reawaken the membership of the Church throughout the world to their duties as Christian citizens. These Crusaders will work along lines similar to those of campaigners in a great Presidential canvass. They will go where they are sent—the most eloquent and forceful leaders of the Church—and preach a practical application of Christian doctrine in the every day life of the men and women of the Communion, who will be urged to be Christians in fact as well as in name. The problem the group of bishops and laymen are struggling with is to meet the demands of the congregations for favorite Crusaders.



Rt. Rev. Charles H. Brent D. D., Bishop of Western New York, who was a member of General Pershing's staff in the World War. His services are in great demand as a Crusader in the Bishops' Crusade of the Episcopal Church.

of all groups to demonstrate through the Crusade, that the Episcopal Church, at least, is a vital, functioning organization meeting the needs of the modern world.

Rt. Rev. Thomas C. Darst D. D., Bishop of East Carolina, Director of the Crusade, says: "There is no doubt that the time is ripe for a sane and practical demonstration of faith in God and His Church. Everything else has been tried in the effort to restore the world to a basis in which rational standards and ideals worthy of a people who boast of world leadership will prevail."

NEW REGENT OF U. OF A. IS A SPECIALIST IN HORTICULTURE

Director E. J. Crider of the Boyce Thompson Institute, Superior, Ariz., who has just been appointed regent of the University of Arizona, is regarded as one of the strongest horticulturists in the southwest. He was appointed professor of horticulture in the University of Arizona, College of Agriculture, and horticulturist in the Agricultural Experiment Station, June 1, 1918. He resigned this position September 1, 1924, after more than six years of hard work at the university, to accept the position of director of the Boyce Thompson Southwestern Arboretum, Superior, Ariz., at a greatly increased salary. Professor Crider was one of the strongest men on the staff of the College of Agriculture, and during his work at the university prepared several valuable publications on horticulture.

RAPID GROWTH OF J. C. PENNEY COMPANY

The J. C. Penney Company, this year, will celebrate its twenty-fifth, or silver, anniversary, the first store having been opened in 1902. During this quarter of a century the business has grown to a nationwide institution of 774 department stores, scattered over all but two of the 48 states. Twenty-eight additional stores will be opened this coming spring, and even a larger number in the fall. The Idaho-Utah chain of the Hood & Van Engelen Co. Golden Rule Stores has recently been purchased and added to the J. C. Penney Company system.

The total sales of the combined stores in 1926 were \$115,652,737.86—an increase of nearly \$25,000,000 over the business of the previous year. This all is a rather remarkable testimonial to a shopping service that extends from the Atlantic to the Pacific.

BOULDER DAM SUPPORTERS ASK ACTION IN RESOLUTION

Washington, D. C., Jan. 20.—The alleged need of the enactment of the Swing-Johnson Boulder dam bill was stressed by supporters of the measure before the House rules committee. The committee urged action favorable to the resolution and giving the bill preferential status in the House.

Smith Urges Game Conservation In Greeting to Nation's Sportsmen

Governor Alfred E. Smith, of New York, prominently mentioned as the standard bearer of the Democratic Party in the 1928 Presidential election, made an eloquent plea for conservation of the nation's supply of wild game and animal life in his greeting to the sportsmen and game commissioners of the country assembled in New York City for the Thirtieth National Game Conference of the American Game Protective Association.

MARVIN QUILTS UNIVERSITY OF ARIZONA; 4 REGENTS RESIGN

Tucson, Jan. 20.—As a climax to the long fight made against the administration of President H. C. Marvin of the University of Arizona by certain local influences, yesterday afternoon Dr. Marvin and four regents resigned their positions with the institution. The charges made against Marvin by the Tucson Matriateral Association were that he had "broken down the morale of the institution, was an habitual liar" and was unfit to be at the head of the state university. These charges were submitted at a formal investigation of Marvin on May 11, 1926. The hearings consumed three days for the prosecution and five for the defense. The regents voted five to three that "all the charges against Marvin were not sustained." Later the regents voted four to four on his retention. At a subsequent meeting Marvin and eight faculty members were retained, but with the proviso that they would be subject to instant dismissal through the action taken on the following resolution:

"The members of the board of regents believe in taking politics out of the university and wish to sink our differences. We have, after earnest consideration, re-employed all members of the faculty, with the president, with this proviso: that under the new order established by the board of regents, in the future all members of the faculty and the president are under the direct supervision of the regents, and that if they do not fulfill their duties as the board of regents see fit, they are subject to instant removal."

The regents who resigned with Dr. Marvin are E. E. Ellifwood, president of the board; Cleve Van Dyke, secretary; J. J. Corrigan, and Judge John Campbell, members. The resignations of the four regents are effective at once, and that of Marvin at the next meeting of the board, which is expected to take place before the beginning of the second semester.

BIG JIM SHIPPING CONCENTRATES

This week the Big Jim resumed the shipment of high-grade concentrates to the smelter. It is expected that regular shipments will be made from now on. President A. G. Keating of the company is here inspecting the mine.

Smith Urges Game Conservation In Greeting to Nation's Sportsmen



Governor Alfred E. Smith, of New York

officials and members, from every section of the country, for the first time passed a resolution unanimously urging Congress to adopt the Game Refuge Bill. Not a dissenting voice was raised. The resolution was adopted first at the headquarters of the American Game Protective Association in the Woolworth Building, New York City, and later at the Conference.

Get a Safety Razor FREE!

This well-known "Fai" Auto-Strop Safety Razor will be given absolutely free to all New Subscribers and Paid-in-Advance Old Subscribers.

All you have to do to get one of these regular \$1.00 Safety Razors is to pay up your subscription one year in advance. There are no strings attached to this offer. In addition to the Razor, you can have your choice of any 5 Magazines listed on another page and The Patagonian for only \$2.75. Can you beat that?

Santa Cruz Patagonian, Patagonia, Arizona

SANTA CRUZ PATAGONIAN

OFFICIAL NEWSPAPER OF SANTA CRUZ COUNTY

HOWARD KEENER
Publisher and Owner

Subscription Rates, in Advance:
One Year \$2.00
Six Months \$1.50
Three Months 1.00

Entered at the Postoffice at Patagonia, Arizona, as second-class mail matter.

PUBLISHED EVERY FRIDAY AT PATAGONIA, ARIZONA

Advertising Rates on Application

TOWN GRAVE-DIGGERS

In nearly every community may be found quite a number of persons who consider themselves leading citizens, but who in truth are helping to dig a grave for their town.

They do it through their failure to support the institutions which make the town what it is. They do it by sending away for merchandise which might be bought with equal advantage at home.

If the shoe dealer sends away for his automobile tires, and the automobile man sends away for his furniture, and the furniture man sends away for his clothing, and so on, how can they expect to build local prosperity?

All the fine talk about civic pride that we may indulge in will never make a town, so long as the life blood of the community—the cold cash—is spent elsewhere.

A man may make boosting speeches until he is black in the face, but unless he spends his money where he makes it he is a home-town grave-digger.

AIMEE TO CASH IN

Mrs. Aimee Semple McPherson, the Los Angeles evangelist whose kidnapping and subsequent trial on a conspiracy charge has filled many a column of front page space since last May, will now proceed to cash in on the publicity she has received, the charge against her having been formally dropped.

While most of her congregation and other admirers throughout the country still appear to believe her kidnapping story, the public generally seem to be quite skeptical about it. But whatever the truth may be, there is no doubt that the magnetic high priestess of Angelus Temple will attract much attention and a liberal amount of cash on her lecture tour, which will take her to many of the leading cities of the country.

Curiously, if nothing more, will draw many to hear her speak—and if she comes our way we will probably donate the price of admission ourselves.

Most of us would be shocked if we thought our children were in the habit of doing some of the things we did when we were kids.

Senator Shipstead's constituents no doubt expect him to have a strong pull in congress because he is a dentist.

LEGAL ADVERTISEMENTS

NOTICE FOR BIDS ON COUNTY PRINTING

Notice is hereby given that sealed bids will be received at the office of the Board of Supervisors, until 10 o'clock a. m., Monday, February 7th, 1927, for County Printing and Publishing for the year beginning February 7th, 1927.

For the publishing of the Proceedings of the Board of Supervisors, a stated price per inch, set in the body type of the newspaper, one insertion only.

For publishing and printing notices of rewards, notices for bids and all other notices required by the county officials that are by law a county charge, set in body type, a stated price per inch for as many insertions as may be required.

All bidders must file an affidavit with their bid, showing that the newspaper in which the publication is proposed to be made has been established and published within the State for at least one year prior to the filing of the affidavit.

All bids must be accompanied by a cashier's check for Fifty (\$50.00) Dollars as a guarantee that the successful bidder will enter into a contract for the faithful performance of the service and will be required to give

LEGAL ADVERTISEMENTS

substantial bond in such amount as the Board of Supervisors may require. The Board reserves the right to reject any and all bids.

All bids must be accompanied by a copy of this advertisement. By order of the Board of Supervisors this 3rd day of January, 1927.

A. DUMBAULD,

Clerk of Board of Supervisors, Santa Cruz County, Arizona. Publish Jan. 14, 21, 28; Feb. 4, 1927.

NOTICE FOR BIDS ON COUNTY SUPPLIES

Notice is hereby given that sealed bids will be received at the office of the Board of Supervisors, until 10 o'clock a. m., Monday, February 7th, 1927, for the furnishing of all county blanks, blank books, stationery, etc., for the year beginning February 7th, 1927.

For the printing, numbering, and binding of the following receipts, books, blanks, and orders, and furnishing the stock therefor:

Sheriff's License Tax Receipts, a stated price per 500 receipts. School Tax Receipts, a stated price per 500 receipts. Road Tax Receipts, a stated price per 500 receipts. Assessor's Personal Property Tax Receipts, a stated price per 500 receipts.

Tax Receipts, 1,000 sets, with stubs, in each book. Sample to be seen in the office of the County Treasurer.

County Warrants, in duplicate, five on a sheet, bond paper, a stated price per 500 warrants.

Assessment Lists (with binders), bond paper, a stated price per 1,000. Sample to be seen in the office of the County Assessor.

County Treasurer's Monthly Report Blanks, bond paper, a stated price per 100. Sample to be seen in the office of the County Treasurer.

Assessment Rolls, two books, printed, numbered pages, bound, 300 pages to book. Sample to be seen in the office of the County Treasurer.

Printing, binding and furnishing all blank books used in the various county offices of Santa Cruz County. Said books to be similar to those now in use. Is to specify the price for each kind of book proposed to be furnished.

Loose leaf books, printed forms for use in the office of the Clerk of Superior Court, a stated price for binders and leaves—price per 500 for leaves, prices singly for binders.

Letterheads and envelopes—letterheads to be 10-pound bond—prices per 500. Envelopes, 6 1/2, 10, and 12 inches, 10-pound bond—prices per 500.

Printing the following blanks and furnishing the stock therefor: 8 1/2 x 23, 8 1/2 x 11, 7 x 8 1/2, prices per 100, 250, and 500, printed on one side—prices per 100, 250, and 500, printed on both sides.

All bids must be accompanied by a cashier's check for Fifty (\$50.00) Dollars as a guarantee that the successful bidder will enter into a contract for the faithful performance of the service and will be required to give a substantial bond in such amount as the Board of Supervisors may require. The Board reserves the right to reject any and all bids.

All bids must be accompanied by a copy of this advertisement. By order of the Board of Supervisors this 3rd day of January, 1927.

A. DUMBAULD,

Clerk of Board of Supervisors, Santa Cruz County, Arizona. Publish Jan. 14, 21, 28; Feb. 4, 1927.

NOTICE FOR BIDS FOR AUTOMOBILE SERVICE FOR SANTA CRUZ COUNTY, ARIZONA.

Notice is hereby given that sealed bids for Automobile Service for the official use of Santa Cruz County, Arizona, for the term commencing on the 7th day of February, 1927, and ending on the 6th day of February, 1928, will be received at the office of the Board of Supervisors of Santa Cruz County, Arizona, on Monday, the 7th day of February, 1927, and not later than 10 o'clock a. m. sharp on said day by Court House time.

Such bids must be for the purpose of furnishing two automobiles on a flat rate per month for the official use of Santa Cruz County, Arizona, as follows, to-wit:

Said automobiles to be five (5) passenger cars of very late model, in good running condition, and to be kept in such good running condition at any and all times, free of expense to Santa Cruz County, for the use of Santa Cruz County officials and to the particular satisfaction of the Sheriff of said County, and all other necessary cars to be on a mileage rate basis.

The successful bidder must contract to furnish all gas, oil, tires, rubber, and necessary accessories, and also all necessary upkeep whatsoever if the said cars, free of expense to said County, and to keep them sufficiently insured to protect Santa Cruz County against all loss by fire, theft, collision, etc.

No bid will be considered which

LEGAL ADVERTISEMENTS

does not offer at least one large sized car to the entire satisfaction of the Sheriff of said County.

All bids must be accompanied by a cashier's check for Fifty (\$50.00) Dollars as a guarantee that the successful bidder will enter into a contract with Santa Cruz County, and a bond of One Thousand (\$1,000.00) Dollars will be required from the successful bidder to insure faithful performance of contract.

The Board of Supervisors reserves the right to let contract to the best responsible bidder, and further reserves the right to reject any and all bids whatsoever, and each bid must be accompanied by a copy of this notice.

By order of the Board of Supervisors this 3rd day of January, 1927.

A. DUMBAULD,

Clerk of Board of Supervisors, Santa Cruz County, Arizona. Publish Jan. 14, 21, 28; Feb. 4, 1927.

NOTICE FOR BIDS FOR THE BURIAL OF INDIGENT DEAD

Notice is hereby given that sealed bids will be received at the office of the Board of Supervisors, until 10 o'clock a. m., Monday, February 7th, 1927, for the Burial of Indigent Dead for the year beginning February 7th, 1927.

The coffins used in burying of indigents to be a coffin made of Class A clear lumber upclatered with excelsior and lined with muslin. The headboard to be of Class A clear lumber, 1x12x3, surfaced on both sides, painted with two coats of white paint, and shall contain (if known) the full name, age and date of death of deceased, and all graves to be marked by permanent marker, showing name and date of death or burial.

All bids must be accompanied by a cashier's check for Fifty (\$50.00) Dollars as a guarantee that the successful bidder will enter into a contract for the faithful performance of the service and will be required to give a substantial bond in such amount as the Board of Supervisors may require. The Board reserves the right to reject any and all bids.

All bids must be accompanied by a copy of this advertisement.

By order of the Board of Supervisors this 3rd day of January, 1927.

A. DUMBAULD,

Clerk of Board of Supervisors, Santa Cruz County, Arizona. Publish Jan. 14, 21, 28; Feb. 4, 1927.

NOTICE FOR BIDS FOR HOSPITAL CARE OF INDIGENT SICK

Notice is hereby given that sealed bids will be received at the office of the Board of Supervisors, until 10 o'clock a. m., Monday, February 7th, 1927, for Hospital Care of Indigent Sick for the year beginning February 7th, 1927.

Each bid must specify the proposed amount to be charged for hospital service and attention each day, for each indigent sick person, including food, nursing, laundry and such clothing as may be necessary for the comfort of the patient committed to such care, which is not to include supplying medicines and surgical supplies.

All bids must be accompanied by a cashier's check for Fifty (\$50.00) Dollars as a guarantee that the successful bidder will enter into a contract for the faithful performance of the service and will be required to give a substantial bond in such amount as the Board of Supervisors may require. The Board reserves the right to reject any and all bids.

All bids must be accompanied by a copy of this advertisement. By order of the Board of Supervisors this 3rd day of January, 1927.

A. DUMBAULD,

Clerk of Board of Supervisors, Santa Cruz County, Arizona. Publish Jan. 14, 21, 28; Feb. 4, 1927.

NOTICE FOR BIDS FOR FURNISHING MEALS FOR COUNTY PRISONERS.

Notice is hereby given that sealed bids will be received at the office of the Board of Supervisors, until 10 o'clock a. m., Monday, February 7th, 1927, for the furnishing of meals to prisoners confined within the County Jail, for the year beginning February 7th, 1927.

Each bid must be for the furnishing of two wholesome, substantial and well-cooked meals each day for each prisoner confined in the County Jail, bids to state prices to be charged for each meal.

All bids must be accompanied by a cashier's check for Fifty (\$50.00) Dollars as a guarantee that the successful bidder will enter into a contract for the faithful performance of the service and will be required to give a substantial bond in such amount as the Board of Supervisors may require. The Board reserves the right to reject any and all bids.

All bids must be accompanied by a copy of this advertisement.

By order of the Board of Supervisors this 3rd day of January, 1927.

A. DUMBAULD,

Clerk of Board of Supervisors, Santa Cruz County, Arizona. Publish Jan. 14, 21, 28; Feb. 4, 1927.

Mussolini wants to visit America, but we warn him that our gunmen are better shots than the lady who pinked his nose.

The Patagonian, 82; Worth the Price

Italian bachelors complain because they are taxed. But suppose they were compelled to marry? Anyway, Czar Landis couldn't send Cob and Speaker to Siberia.

OFFICIAL PROCEEDINGS OF THE SANTA CRUZ COUNTY BOARD OF SUPERVISORS

OFFICE OF THE BOARD OF SUPERVISORS, Nogales, Arizona, December 6th, 1926.

The Board met pursuant to adjournment of November 8th, 1926. Present: Chairman James L. Finley, Members Robert A. Campbell and Hugo W. Miller, and Clerk A. Dumbauld.

Ellisa A. de Solis appeared before the Board with reference to taxes of Josefa de Reed for the year 1924, as no widow's exemption was asked for by Mrs. Reed. The same was not allowed at this time.

In the matter of the Miguel Tanori property advertised by the State for sale, a bid of \$100 was made by Mr. Augustine Cardiel for the same. The amount of \$40.79 was the amount due on sale and the remaining taxes to be paid from the \$100, including the 1926 taxes in full. The above bid was accepted and the property sold to Mr. Cardiel, and the deed ordered drawn conveying the same to him.

Communications were read from Mr. W. S. Branford with reference to assessments. The same were referred to the County Assessor and County Engineer for consideration and adjustment.

In the matter of the Patagonia-Salero road, the time for the filing of the viewers' report was extended until December 31st, 1926.

A Notarial bond of C. E. Towne was presented and approved by the Chairman of the Board.

A petition was presented to the Board asking that Mr. C. R. Dusenberry of White House Canyon and vicinity be given an appointment as a special officer for the purpose of furnishing protection for the cottages and cabins in White House Canyon, which are not occupied at certain seasons of the year.

After consideration of the above, the Board arranged with the Sheriff to give Mr. Dusenberry a deputy sheriff's appointment, and the Board fixed his pay at \$5.00 per month.

A telegram to the County Treasurer with reference to \$5,000.00 of District No. 1 School Bonds was presented to the Board for consideration. The Board instructed the Treasurer to confer further with the parties holding the bonds as to just what proposition they had to make for the sale of the same.

Mrs. Lucille Walker appeared before the Board with reference to the audit as made of the County Treasurer's books and accounts.

The following county and precinct officials presented monthly reports, the same being read and ordered filed: County Treasurer, Superintendent of Health, County Recorder, County Assessor, Sheriff, Justice of the Peace of Precinct No. 2, Clerk of Court for October and November, Superintendent of Outdoor Relief, Recorder for October, and Justice of the Peace of Precinct No. 1.

The following claims and demands were presented to the Board, the same being audited, allowed and ordered paid out of the various county funds:

Table listing various claims and demands with amounts, including items like 'Dave Shaffer, road work', 'Joe W. Taylor, road work', etc., totaling \$1125.00.

Table listing names and amounts for various items, including 'Anna B. Ackley, postage', 'Victor J. Wager, expense, County Assessor's office', etc., totaling \$1125.00.

The following names appearing upon the payroll of the county for the month of November, the same were audited, allowed and ordered paid out of the salary fund:

Table listing names and amounts for payroll items, including 'W. A. O'Connor, Judge of the Superior Court', 'Robert E. Lee, Clerk of the Superior Court', etc., totaling \$1125.00.

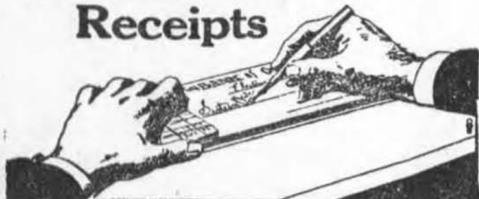
Upon motion duly made and carried, the County Treasurer was ordered and instructed to transfer the sum of \$3,842.46 from the county general fund to the county salary fund, and a further sum of \$2,616.56 from the county general fund to the county expense fund.

There being no further business to come before the Board, they adjourned to meet December 30th, at 2 p. m.

HUGO W. MILLER, Chairman.

Attest: A. DUMBAULD, Clerk.

Checks Are Receipts



Checks are the best receipts in the world for paid bills. Our record of the canceled check as it is paid and passes through our books forms a chain of evidence that cannot be surpassed or disputed. Starting a Checking Account with us is a simple matter. Let us tell you how.

THE FIRST NATIONAL BANK OF NOGALES,
NOGALES, ARIZONA

Assets Over \$3,000,000

Shave Quickly

with a super-keen blade. A dull blade means a slow shave. Learn what stropping does. Buy a Valet AutoStrop Razor. It gives a comfort, speedy shave every time. \$1 up to \$25.

Valet AutoStrop Razor
—Sharpens Itself

TRADE AT HOME!

Arizona Packing Company's meats are from cattle raised in Arizona. Cactus brand Bacon and Ham is as good as can be procured anywhere, and we cure them from the meat of Arizona-raised swine. Patronize Arizona industries whenever possible and help your state grow. The money you send away stays away.

ARIZONA PACKING COMPANY
NOGALES, ARIZONA



WE HAVE A STOCK OF
Kelly-Springfield Tires
AND TUBES

We Also Carry
AUTO ACCESSORIES, GAS, OILS,
AND GREASES

We deal in Wood, Hay, Grain, and Poultry Feed, and do Hauling, both light and heavy. See us FIRST.

PATAGONIA ICE & LIGHT PLANT

BEFORE IMPROVING PROPERTY be sure your title is clear. Title to much land in Nogales, Patagonia and other parts of this county is cloudy.

SANTA CRUZ COUNTY ABSTRACT AND TITLE COMPANY
F. A. Freuch, Mgr.

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Legal papers requiring a Notary's Seal and acknowledgment will receive proper attention if brought to Miss Grace Van Osedale, San Rafael Valley.

B. P. O. E.
NOGALES LODGE NO. 1397
Meets second and fourth Tuesdays of each month at Elks' Home on Morley Ave. Visiting brothers always welcome.
HERBERT CHATHAM,
Exalted Ruler
ROBERT E. LEE, Secretary

It's better to insure your property than to wish you had. See Howard Knaener at the Patagonian office.—Ad.

MICKIE SAYS—

HERE'S A LITTLE INSIDE INFORMATION—THE ADVERTISER WHO GETS HIS COPY IN EARLY GENERALLY GETS PREFERRED POSITION AND EXTRA GOOD COMPOSITION. LATE ADS HAVE TO BE THROWN TOGETHER AND PUT INTO WHATEVER SPACE IS LEFT

THE EARLY BIRD GETS THE SERVICE



FOR SALE—House in University District, five rooms; near high school. Tucson, Ariz. 608 East Fourth St.

READ Almee Semple McPherson's own signed story in the February SUNSET—the only authorized, personal article by the famous evangelist who has been the subject of so much notoriety during the past six months. Order from your own news dealer in advance (on sale January 15th) or send 25c to SUNSET MAGAZINE, San Francisco. Subscription price \$2.50 per year; 2 years, \$4.00.

FOR SALE—Plano and farm machinery; prices reasonable. Inquire at Madsen Ranch, San Rafael Valley, Arizona. 114-2tp

RHODE ISLAND RED Breeding Cockerels for sale cheap. Eggs for hatching. S. M. BRIMBERRY, Lewis Springs, Arizona. 1-14tf

BABY CHIX—Golden Buff and White Leghorns (Faucred Strain), Black Minorcas, Barred Rocks, R. I. Reds and Turkeys. No electric lights or other egg-forcing methods used on breeding fowls. ENOCH CREWS, Seabright, California. 114-2tp

Pfanstiehl
Overtone Radio



Single-tuned Six Console
with built-in speaker

FOR the following important reasons this six-tube Pfanstiehl set is ideal for home entertainment.

1. It is easy to tune. A single tuning knob quickly locates the wave length desired. Tunes at once with precision.
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It will be a pleasure to show you this new Pfanstiehl. The price is \$210. Demonstration in your home, if desired.

Different prices to suit all pocket-books. Monthly payments can be arranged.

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A committee of judges, evidently not gentlemen, selected a brunette as Toledo's prize beauty.

A recent novel contains no dialogue, the only conversation quoted being that of a wife to her husband.

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WHERE JOY REIGNS SUPREME

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A GOOD TIME TO HAVE YOUR CAR LOOKED INTO IS WHEN YOU ARE

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We have the mechanics and are equipped to turn out the best of work at reasonable prices.

Or, we can Grease, Wash or Store your car, day or night, when you are in town.

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USED PARTS FOR ALL MAKES OF CARS

AT HALF PRICE

If not satisfactory, get your money back. WHY PAY MORE?

NOGALES AUTO WRECKING CO.

L. A. ALLEN, Prop.

420 Grand Avenue Nogales, Arizona

For the Best in Nogales, Sonora

VISIT THE FAMOUS

Cave Cafe

CUT IN SOLID ROCK

We specialize in Sea Foods and Game in Season. All kinds of Chinese dishes to your order.

Where the Tourists eat their meals in the cool recesses of dining-rooms cut into the rock hill-side.



Immediate Service

When you are in a hurry—need your car right away, and something goes wrong—we give you immediate service, so you will not be delayed a minute longer than absolutely necessary. No extra charge for this service.

EAST SIDE GARAGE

R. C. Blabon, Proprietor

PATAGONIA ARIZONA



Look into the Future!

POULTRY profits at this season are in the future. Time only will tell whether you hatch 50%, 75% or more chicks.

Past records for years prove that eggs from breeders fed Purina Poultry Chows hatch more chicks and better chicks—with greater profit.

Feed breeders Purina Poultry Chows for at least thirty days before beginning to save hatching eggs. You will get better results and be money-ahead. Tell us when you want your Chows—and we will get them to you in a jiffy.



FOR SALE BY

NOGALES FEED & SEED CO.
NOGALES AND ELGIN, ARIZONA

Patagonia Agent—Patagonia Ice and Light Plant

HANK'S GARAGE

Hank Myers, Prop.

AUTO REPAIRING

STUDEBAKER SERVICE

CARS GREASED AND OILED

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FOR DEVELOPMENT WORK, FOR SMALL HIGH GRADE VEINS,

Here Is the Mill

Efficient, Economical,
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Price \$3200

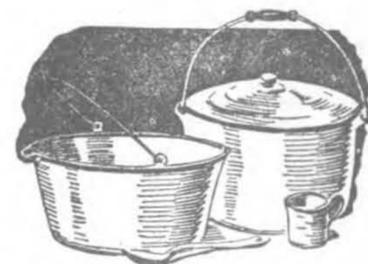
10-15 TON FLOTATION MILL

Extra Cost for Boiler and Engine, or Gas line
Engine, From \$1200.00 to \$1600.00

Roy & Titcomb

Incorporated

NOGALES, ARIZONA



Why get along with makeshifts in the kitchen, where so many hours of work are done each day, when you can come here and, at very small cost, choose kettles and pans that will make your kitchen complete and lessen materially your kitchen work?

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The following special values will prove especially interesting to thrifty shoppers:

Berlin Kettles\$1.00 to \$1.50

Coffee Pots\$1.25 to \$1.60

A full line to choose from; all sizes.

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Patagonia, Ariz.

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STORAGE — REPAIRING — ACCESSORIES

STUDEBAKERS

Store Your Car Here While in Nogales and Let Us Check It Up for Needed Repairs

THE BEST AUTO MECHANICS IN TOWN

NOGALES-TOMBSTONE STAGE

Bob Laney, Prop.

SCHEDULE

NORTHBOUND	SOUTHBOUND
Leave Nogales.....5:00 p.m.	Leave Tombstone.....1:30 p.m.
Arrive Patagonia.....6:00 p.m.	Arrive Sonolita.....2:10 p.m.
Arrive Sonolita.....6:20 p.m.	Arrive Patagonia.....2:30 p.m.
Arrive Tombstone.....7:30 p.m.	Arrive Nogales.....3:30 p.m.

Direct connections at Tombstone east and west.

Dr. W. F. Chenoweth

Physician and Surgeon
Nogales, Arizona

DR. BAYARD FITTS

Eye, Ear, Nose and Throat
Specialist
NOGALES, ARIZONA

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Dentist
RELIABLE DENTISTRY AT
MODERATE PRICES
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NOGALES, ARIZONA

Elgin and Waltham Watches
Expert Watch and Jewelry Repairing. All work guaranteed.
Reparacion Perfecta de Alhajas y Relojes. Trabajo garantizado.

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Board and Room \$10 Wk.
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For Infants and Children
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Always bears the Signature of *Charles H. Hitchcock*

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Up-to-Date Cleaning and Pressing
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Mail your clothes to us. We will deliver them on time.
Our Work, Our Prices, Our Service Will Please You

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Optical Specialist
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MAIL US THAT

Old Pair of Shoes

We'll fix them up and promptly return them to you.

All latest new machinery.

PRICES RIGHT

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Willard Batteries

\$11.95

(Rubber Case)
Batteries Recharged 75c

(All makes)
Everything Electrical for the car.

Out-of-Town Orders Solicited

ELECTRICAL EQUIPMENT CO.
340 Grand Ave.
NOGALES, ARIZONA

HOTEL BOWMAN

Nogales, Arizona
TUCSONIA HOTEL
Tucson, Arizona

ASSAYING

PRICE LIST

Gold and Silver in 1 sample \$1.00
Gold, Silver, Lead and Copper in 1 sample \$2.50
Lead, Copper, Zinc, Manganese, Iron, Lime, Graphite, Sulfur, Insolubles (gold or silver alone) each \$1.00
Discounts on large amounts.
ORES BOUGHT f.o.b. Nogales, Ariz., at 90% of smelter value less \$5.00 per lot sampling and assay charge.
Accuracy and Promptness My Aim 12 Years in Present Business.

Hugo W. Miller
NOGALES, Box 257 ARIZONA

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THE

"El Paso" Store

129 Morley Avenue
Nogales, Arizona

One of the oldest and most reliable stores in Santa Cruz County.

The store that has stood the test of time for 27 years.

Our 27th year in Nogales, Ariz., same location, the best of service, and yet, improving day by day, always new and up-to-the-minute assortments and stock, 27 capable and courteous employees.

In a word, a store behind a foundation of "COURTESY AND HONESTY."

When in Nogales, visit us. Your inspection will be greatly appreciated.

THE

"EL PASO" STORE

Originators of Low Prices
Established 1900

BASKETBALL SCHEDULE FOR THE P. U. H. S. TEAM

Tonight the P. U. H. school basketball team will journey to Tombstone for a game with Tombstone High, and tomorrow night they play Benson at home. A large crowd of local people went to Tombstone today to witness the game and give the team their moral support.

Last Friday night the local boys were beaten by Tombstone here by a score of 24 to 9. On Saturday night St. David gave them a drubbing to the tune of a 12 to 10 win.

As this is the first season of basketball for our boys, they are getting experience that will be of much benefit next season. They may improve after a few games.

Chicken Stuffed With Pistol

Ordinarily the carrying of a roast chicken to a brother in jail might be considered a commendable display of sisterly affection. But Genevieve Godzium of Cambridge, Mass., aged 22, was given eight years in the state reformatory for presenting a fowl to her brother, Jerry, who was under sentence of death for murder. Inside the chicken was concealed a loaded revolver, by aid of which Jerry hoped to escape.

More than a million dollars' worth of human hair is exported from China annually, but the amount has declined as a result of the bobbing fad in America and elsewhere.

A new method of administering anesthetics makes it possible to put only certain parts of the nervous system to sleep.

"IT PAYS TO ADVERTISE"

SPECIAL OFFER OF TESTED AND RELIABLE SEEDS

Write for our 1927 illustrated catalogue and we will send you, F-R-E-E, One package Spencer's Giant Flowering Sweet Peas.

Write today; mention this paper. The mail order house of quality and service. Send us your orders.

ARIZONA SEED & FLORAL COMPANY
Phoenix, Arizona

The Patagonian, Official County Newspaper

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..... 1926.
SANTA CRUZ PATAGONIAN,
Patagonia, Arizona.
Enclosed find \$..... for..... year..... subscription to The Patagonian, at \$2.00 per year.
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SHIRT SALE

Three Shirts For

\$3.50

\$1.19 Each

VALUES UP TO \$3.00

You'll probably never again find Quality Shirts sold in Santa Cruz County at prices as low as these. They are much better than shirts selling elsewhere at more than double our price.

TRADE AT THE

ARMY STORE

205 MORLEY AVE.

NOGALES, ARIZONA

More for Your Money—Your Money Back If Not Satisfied

PIGGLY WIGGLY

All Over the World

THE QUALITY HOUSE. WHERE QUALITY AND PRICE GO HAND-IN-HAND.

SOME OF THE REASONS WHY MORE PEOPLE PATRONIZE THE PIGGLY WIGGLY DAILY THAN ANY STORE OR STORES IN NOGALES:

MONARCH COCOA

1-Pound Cans, each28c

BOB WHITE SHORTENING

4-Pound Cans, each68c

8-Pound Cans, each\$1.32

We guarantee Bob White Shortening to be a high-grade quality article at a low price. We stand back of every sale.

MONARCH SALAD DRESSING

Mayonnaise, Large Jars, each35c

1000 Island Dressing, Large Jar35c

Monarch Mayonnaise is the finest in the land.

MONARCH CATSUP

Pints, each29c

MONARCH CHILI SAUSE

Pint Jars, each33c

MONARCH VINEGAR

Pints Cider Vinegar, each25c

Quarts Cider Vinegar, each38c

Pints White Vinegar, each25c

YACHT CLUB ASPARAGUS

Large Cans, each25c

A wonderful value on a fancy asparagus.

FRESH RANCH EGGS

Per Dozen43c

Every egg guaranteed to be not over three days old.

FOLGER'S COFFEE

1-Pound Cans, each55c

2-Pound Cans, each\$1.09

POTATOES

10 Pounds for35c

IT'S USELESS TO PAY MORE AND RISKY TO PAY LESS

PIGGLY WIGGLY

NOGALES, ARIZONA

J.C. PENNEY CO.

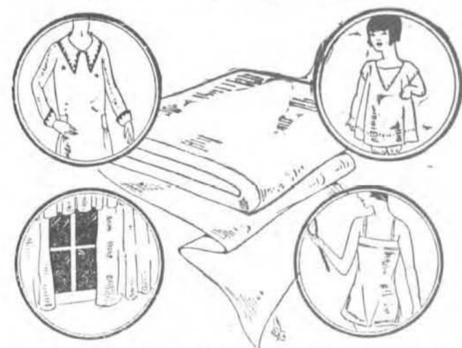
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MORLEY AVENUE, NOGALES, ARIZONA

HOME DRESSMAKING—SUCCESSFUL

When You Select Our Fine Fabrics and Choose A Suitable Pattern

Our All Silk Pongee

A Nationally Known Value



Best Quality—Red Stamped—Imported

Women who buy this all-silk Pongee once, come back again and again for more! First, the material is strong and beautiful (12 momme weight). Then our price is so superior. Think of it, the yard, only. Not to be compared with Domestic Cotton Warps.

Try It! **49c** Buy It!

New Georgettes

For Dainty Dresses

What is more feminine and lovely than a Georgette Silk Dress? We are showing good Georgettes, 39 in. wide, priced, the yard,

\$1.49

Canton Crepe

All Silk

For service and for style, our Canton Crepes lead! Plan an all-round dress from one of the attractive Spring colors! 39-inch width,

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Plain and Changeable

Taffeta is always the favorite silk fabric for many. In plain and changeable colors in a most wearable quality. The yard,

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Newest Patterns



Make a new Dress from one of the delightful materials we are now showing! Most reasonably priced, too, the yard, from

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Cretonnes

Attractive Colorings

36-inch Bungalow Cretonnes for comforters, draperies, etc. A good quality in a pleasing array of patterns and colors. Good values at our low price of, yard, only,

19c

Women as Inventors



Drawing by Ray Walters

By ELMO SCOTT WATSON

THE other day an Illinois woman was granted a patent by the United States patent office for a "secret envelope," i. e. one which cannot be opened without detection of the fact that it has been tampered with. Immediately there were columns of newspaper publicity about the "woman inventor," as though woman in that role is unique.

To the average person she is, perhaps, for we commonly think of the inventive genius of woman in terms of the stock joke about her ability to do an innumerable number of things with a hairpin when necessity demands it. As a matter of fact, women inventors are becoming more numerous every year, as the records of the United States patent office will show. The women's bureau of the United States Department of Labor recently made an analysis of those records to determine woman's part in this age of invention and revealed what will be an astonishing fact to many persons—that at least 500 government patents a year are now granted to women inventors, and that more patents were granted to them in a recent ten-year period than were issued during the whole century ending in 1895.

Although the number of patents taken out by men is some 70 times as many as the number taken out by the other sex, the percentage increase for women from decade to decade has exceeded that of the men by as much as 300 per cent in some years. Another striking fact is that war seems to be a strong incentive to woman's producing new things. Before the Civil war about half a dozen patents a year were granted to women. During the war and in the years that followed the number of patents to women increased steadily, rising at times more than 100 annually. The decade of 1857 to 1867 saw an increase of 677 per cent in the number of articles patented by women, as compared to 200 per cent increase for the men in the same period.

Although it is yet too early to predict what effect in this regard the World war will have, it is true that the number of patents taken out by women from 1918 to 1921 was 34 per cent higher than from 1912 to 1915.

Even at that, the pre-World war period was one of great activity for women inventors, for in that time more than 5,000 patents were granted to women in ten-selected years from 1905 to 1921, a number which far exceeds the total number granted them during the span of 105 years which ended in 1895.

As might be expected the majority of women's inventions are those which have to do with their household duties. But they are far from being limited to that and they cover a wide range of activity in 50 industries, coal mining through agricultural machinery, hospital equipment, manufacturing equipment, chemicals, artificial fuels, wood turning, even to submarine explosives! Before you exclaim over that last, however, consider a list of inventions by women which proves that the mothers of men, who are proverbially opposed to the war which robs them of their husbands and sons, are still doing their part to perpetuate its horrors. This list includes automatic pistols, bomb-launching apparatus, a cane gun, an incendiary ball, railway torpedoes, sights for guns, submarine mines and a top for powder cans.

Woman, the citizen, is responsible for inventions of voting booths, voting machines and a pocket ballot. Woman, the scientist, has given us new dyes and new dye bases, chemical treatment of oils for commercial purposes, artificial fuels, gas apparatus, air compressors, hoisting apparatus, reversible turbines, various steam and street railway necessities ranging from road bed and rails through rolling stock equipment to traffic signals and block systems.

Some of the reasons given by the women for their inventions are among the most interesting facts connected with their work. A large number of these reasons, of course, come under the proverbial head of "necessity, the mother of invention." One invention, made for this reason, turned its benefits in a direction curiously different from the original intention. A woman golf teacher, who had been much annoyed by the perverse habit of golf balls of becoming lodged in inaccessible places or dropping into streams, invented an adjustable rake to recover the errant balls. The wider usefulness of the rake was soon apparent, and gardeners now have a golf teacher to thank for making their work lighter.

A Texas woman who took out a patent

for an improvement on a cultivator tongue, which lightened the burden of the "men-folks," said that "having been raised on a farm and seeing that there was needed improvement on cultivator tongues, I made up my mind to improve upon the old-style ones." A Minnesota woman invented a portable smoke house because she explained it "As a farmer's wife, my duty was to cure meats for summer use and smoked meat is very much favored in my family. I tried to smoke mine without expense, and after I had completed this device I used it successfully for two years before I obtained a patent upon it."

It is in lightening her home duties that the American housewife finds her best reason for turning to invention. In this realm her new devices include alarms for cooking utensils, juice extractors, kettle protectors, sleeve-cleaning devices, waffle irons, ash cans, laundry equipment, broom racks, stovepipe cleaners, napkin holders, bed-airing devices, high chairs, bathroom fixtures, an automatic rocking chair fan, awnings, clothes containers and ant traps. Domestic difficulties sometimes result in invention, as witness the case of the woman who invented a pie-pan cover because of the "overflowing of July pies, the best of the pie is wasted, leaving the poorest part in the crust."

And these are only a few of the many new devices for which the world can thank the women. None of them is "revolutionary," perhaps, but for those whom they benefit by making life easier, that is immaterial. What if, so far, mere man has been responsible for all of the most important inventions, including those such as the typewriter and the sewing machine, which have meant so much to women? (Incidentally, it might be added that Elias Howe's invention of the sewing machine was not greeted with unanimous enthusiasm by the women of the time. Was it "feminine inconsistency" which prompted some of them to opposition when the first sewing machines came upon the market because they "would take away the livelihood of the poor sewing women?") This increase in woman's inventive activity, as shown by the records of the patent office, may be indicative of the increasing importance of women in every phase of life, and we may yet see some new device of world-wide and all-time significance conceived in a woman's mind and molded by a woman's hand.

crossing, traveling swiftly round the corner which led to the closed gates. At that precise moment an express train thundered through.

Too late the driver of the car saw the danger. He tried to swerve, but a skid was the only result. With a loud crash he struck the first coach and the car crumpled up on the track. Silence for a few minutes. Then a voice:

"Well, it's cured my hiccup, anyway!"—and the driver crawled out of the wreck.—London Answers.

POULTRY

INFLUENCES ON VALUE OF EGGS

Eggs vary in size and color, but investigations show that healthy hens, fed normal rations, lay eggs that are consistently of good quality. However, there are many factors that influence the market value of eggs, most of which are within the control of the producer and dealer of eggs.

Eggs are not bought and sold by the pound, but the size of the eggs causes considerable difference in their value. "Extras" must weigh 46 pounds net per case of 30 dozen.

This is an average of slightly over two ounces per egg. "Extra firsts" must weigh 44 pounds per case. The proper selection of breeding stock is undoubtedly the biggest factor in securing eggs of good size, although the size is influenced to some extent by proper feeding.

Cleanliness has an important influence on the value of eggs. Dirty eggs deteriorate more rapidly than clean eggs, do not present as pleasant an appearance, are not fit for storage, and, therefore, do not sell for as high a price as eggs that are clean. Dirty eggs may be largely eliminated by providing plenty of clean nests which are well supplied with clean litter. On rainy days it may be helpful to keep the hens confined until 10 a. m., when most of the hens will be through laying for the day.

Some markets pay a premium for white eggs. A few markets pay a premium for brown eggs. Dealers seldom pay a premium for eggs of one color, as compared with mixed colors. In shipping eggs, it is necessary to take this characteristic of the market into consideration. Uniformity of color is always appreciated and this is one of the advantages gained by improving the flock through the use of improved stock.

Eggs may be of the same size and color but vary considerably in market value. This is on account of the difference in quality of the interior. Most eggs are good when they are first laid, but different methods of handling influence the quality to a large extent. Therefore, the problem of handling eggs is important as well as proper management of the flock.

Singing Hen Not Happy as Many People Thought

Singing hens have long been thought to be happy when, in fact, she sings only when all is not well in poultrydom. Hens, like human beings, are almost all very temperamental.

The singing of a hen must not be confused with clucking. Hddy's song starts softly, proceeds without break for as long as breath will allow, and often ends in a high, nasal intonation. If the hen finds no suitable place to lay, she sings; when all the nests are full and she can't find one, she sings. Song gives vent to her feelings if hunger is troubling her, or thirst. She sings in strange surroundings like the small boy sent on an errand in the dark. Worry and shyness also bring song. She tries by singing to make herself look brave and at home at times when her self-assurance has been shaken.

Poultrymen who want to keep their flocks in perfect contentment will keep them from singing.

Rations Fed to Layers Are Lacking in Protein

During recent experiments at the Nebraska Agricultural college, it was found that rations fed to laying hens were commonly lacking in some form of complete protein like meat meal, skim milk, tankage, dried buttermilk, or liquid buttermilk. An addition of six pounds of high-grade tankage to a typical corn-belt ration increased the egg production from 59 in the check pen to 183 eggs per hen in the tankage-fed lot. Skim milk or buttermilk, when available at all times, may take the place of meat meal or tankage in the mash mixture, but it is necessary that each hen consume about 110 pounds of milk in a year in order to get the equivalent protein furnished by six pounds of tankage.

Separate Breeding Pen

Many seem to have acquired the idea that keeping a separate breeding pen means a considerable expense and much extra labor for the farmer. This is not the case or if there are such cases it is unnecessary. Maintaining a breeding pen simply means that the best birds in the flock are selected and placed by themselves during the breeding season. The breeding pen furnishes eggs for hatching during the hatching season. This means that the chicks will be much improved.

Importance of Rooster

The male is as important in poultry as in dairying. Be sure that he is out of a good flock. It does not matter whether or not he is a cockerel, or an old cock, as long as he has a good physical make-up, plenty of fight, and fully matured. Males show a preference for certain hens, and there should be plenty of males in the flock. The number of females and males, and the relation between them, depends upon breed characteristic, size of flock, and time of season.

KITCHEN TABLE IS PRIZE WINNER

Hard Work and Ingenuity Used in Building Device.

(Prepared by the United States Department of Agriculture.)

Left a widow, with three small children, a mother entered the kitchen contest in Albemarle county, Virginia, and won the prize for making the most improvement at the least expense. All the improvements in her kitchen cost only \$3.70, most of which was spent for paint. One of the best things she did was to construct this kitchen work table, with a very little help from a carpenter, out of old lumber found around the place.

The rack for tins of supplies is set about two-thirds of the way from the rear end of the table, leaving a sufficient work space at the free end, where the high stool is placed, for mixing cakes and preparing other foods. The remainder of the table behind the rack is used for giving the children their meals, in the same way a breakfast alcove is used. Hanging from the ceiling is a rack for such small utensils as the egg beater, strainer, canning tongs, and so on.



Albemarle County (Virginia) Work Table in Farm Kitchen.

This was originally a whip hanger in a country store. The table, stool and bins were all painted white. The photograph was taken by the United States Department of Agriculture.

Economical Meat Dishes Recommended for Table

Here are some economical meat dishes recommended by the United States Department of Agriculture: Ham hocks and sauerkraut, chuck steak, lamb stew with peas, potatoes and carrots; beef shank with vegetables, chuck pot roast, pork sausage and apples, swissed round steak. Many people do not know that fore-quarter cuts of meat from choice animals are usually much cheaper and far more palatable than hind-quarter cuts from animals of inferior breeding, or which have not been well fattened.

Recipe for Preparing Cream of Spinach Soup

Cream of spinach soup is made from either spinach cooked for this purpose or from left-over spinach. Put a quart of milk to heat in the double boiler with a slice of onion in it. From half to one cupful of cooked spinach will be enough to combine with this amount of milk. A quarter to a half pound of fresh spinach will yield about this quantity when cooked. Whether the spinach was prepared previously or at the time of making the soup, all liquor from it should be saved and used with it. Some of the valuable mineral constituents of the spinach are dissolved in this liquor. Wash the spinach thoroughly, chop it and put it in a saucepan with one or two tablespoonfuls of hot water—just enough to keep it from scorching until the leaves are wilted and the spinach liquor develops. Salt it lightly. In about 10 minutes the spinach will be done. Mince it very fine or press it through a strainer and add it to the hot milk. Melt two tablespoonfuls of butter and blend with two tablespoonfuls of flour. Pour a little of the hot mixture on the flour and butter and add gradually to the soup. Season to taste, remove the slice of onion and serve. If you prefer more onion flavor, mince the onion and cook it in the melted butter before adding the flour, then add the hot milk with the spinach.

Lifting Laundry Water Makes Wash Day Hardest

Lifting laundry water in and out of portable tubs makes wash day the hardest of all in many rural homes. The latest publication on home laundering issued by the United States Department of Agriculture contains a hint for reducing this task to a minimum. Pipe the water to the tubs by means of a flexible rubber hose, if possible, and by all means siphon off the waste water with a hose when ready to empty the tubs. To make such a siphon, fill a short length of the hose with water, close the ends and invert it, placing one end under the surface of the water and the other at a lower level. Open without removing the shorter end from under the surface of the water. A faucet soldered into the end of the wash boiler facilitates emptying it.

Curing and Fermentation Applied to Vegetables

There is a distinction between "curing" and "fermentation" as applied to vegetables treated in brine. Curing refers to the changes which vegetables undergo in brine as a result of osmosis by which brine largely takes the place of the vegetable juices, with resulting changes in cellular structure. Fermentation relates to the action of certain bacteria in changing the sugar content of the vegetable juices into acids and other end products. In a weak brine (5 per cent or less) bacteria are not inhibited and the process is largely a fermentation. In a moderately strong brine (10 per cent) both processes go on about equally. In a strong brine (15 per cent or over) bacteria are inhibited and the process is almost entirely a salt curing.

If Back Hurts Flush Kidneys

Drink Plenty of Water and Take Glass of Salts Before Breakfast Occasionally

When your kidneys hurt and your back feels sore, don't get scared and proceed to load your stomach with a lot of drugs that excite the kidneys and irritate the entire urinary tract. Keep your kidneys clean like you keep your bowels clean, by flushing them with a mild, harmless salt which helps to remove the body's urinous waste and stimulate them to their normal activity.

The function of the kidneys is to filter the blood. In 24 hours they strain from it 500 grains of acid and waste, so we can readily understand the vital importance of keeping the kidneys active.

Drink lots of good water—you can't drink too much; also get from any pharmacist about four ounces of Jad Salts. Take a tablespoonful in a glass of water before breakfast each morning for a few days and your kidneys may then act fine. This famous salt is made from the acid of grapes and lemon juice, combined with lithia, and has been used for years to help clean and stimulate clogged kidneys; also to neutralize the acids in the system so they are no longer a source of irritation, thus often relieving bladder weakness.

Jad Salts is inexpensive; cannot injure; makes a delightful effervescent lithia-water drink which everyone should take now and then to help keep their kidneys clean and active. Try this; also keep up the water drinking, and no doubt you will wonder what became of your kidney trouble and headache.

The Guilty One

R. B. writes—Procrastination is the thief of time, but he's not the fellow who takes the years from a woman's age.

No; it's his brother, Procrastination, we should say, R. B.—Boston Transcript.

DEMAND "BAYER" ASPIRIN

Take Tablets Without Fear If You See the Safety "Bayer Cross."

Warning! Unless you see the name "Bayer" on package or on tablets you are not getting the genuine Bayer Aspirin proved safe by millions and prescribed by physicians for 26 years. Say "Bayer" when you buy Aspirin. Imitations may prove dangerous.—Adv.

A New One

Nurse—Have you ever run a temperature?
Worse—No, but I've driven most every other kind of car.

Sure Relief



FOR Coughs due to Colds

BOSCHEE'S SYRUP
SUCCESSFUL FOR 60 YEARS
30c & 90c At all Druggists

Cuticura Soap

Best for Baby
Soap, Ointment, Talcum sold everywhere. Sample Free of Cuticura Laboratories, Dept. St. Maclin, Mass.

Too Bad

Flora—I don't believe that scandal about Mrs. Gayleigh.
Fanny—Then why did you tell me about it?
Flora—I was in hope that you could confirm it.

Does Weakness Detract From Your Good Looks?

Holdenville, Okla.—"I had no appetite and could not sleep—was always nervous. I doctored with one doctor, then another, with no relief, until I tried Dr. Pierce's medicines. I took six bottles of the 'Favorite Prescription' and three of the 'Golden Medical Discovery' and now my pains have all left me and I am as well as any woman. My complexion is clear, too. Before using Dr. Pierce's medicines I was skin and bones. I am well now and can do my own work without a dread. I feel like a new woman."
—Mrs. Ruby Sunderland, 1109 So. Oak St. All dealers.
In Liquid or Tablet form.



From National Forests

A tremendous variety of products ranging from shoe pegs and sassafras oil to saw logs, railroad ties, and naval stores, is made from timber supplied by the national forests of the East and South, says the forest service of the United States Department of Agriculture. Chestnut in the Appalachians furnishes telephone poles and extract wood. Beech, birch, and maple supply bobbins for the busy looms of

New England. Yellow pine in Florida is drained for turpentine and then sold for saw logs. These government forests are steadily taking a larger and larger place in the economic life of the vast region over which they are scattered.

Heroic Remedy

It was a dark night. Murky clouds obscured the moon in such a way as to make driving dangerous in the uncertain light.
A car was approaching the level



The GIRL in the MIRROR By Elizabeth Jordan

CHAPTER X—Continued

At last a cheerful whistle in the lower regions drew him down a flight of stairs to what appeared to be an underground storeroom. Here a bulky, overalled individual, looming large in the semi-darkness, stopped in his labor of pushing about some boxes and regarded Laurie with surprise. "Are you the watchman?" asked the latter, briskly. "I am that," "Were you here last night?" "I was," "Was anyone else here?" "Divil a wan."

he could, and must. To remain in his present state of suspense a moment longer than he needed to be unthinkable. In a surprisingly short time he was in the studio building, facing the man Sam had called Henry, a yawning night elevator man who regarded him and his questions with a pessimism partly due to the lack of sleep and fatigue. These combined influences led him to making short work of getting rid of this unkept and unseasonable caller.

could not picture them; and as the effort merely added to the gloom that enveloped him, he abandoned it and again gave himself up to thoughts of Doris. As he hurried into his clothes a strong temptation came to him to tell Bangs the whole story. Then Bangs would understand everything, and he, Laurie, would have the benefit of Rodney's advice and help in untangling Doris' tangle.

Doris! Again she swam into the foreground of his consciousness with a vividness that made his senses tingle. He was sitting on a low chair, facing his shoes, and his fingers shook as he finished the task. He dressed with almost frantic haste, urged on by a fear that, despite his efforts, was shaping itself into a mental panic. Then, hair-brushes in hand, he faced his familiar mirror, and recoiled with an exclamation.

Doris was not there, but her window was, and hanging from its center catch was something bright that caught his eye and instantaneous recognition. It was a small Roman scarf, with a narrow, vivid stripe.

CHAPTER XI Doris Takes a Journey Within five minutes he was in the studio building across the square, frantically punching the elevator bell. Outwardly he showed no signs of the anxiety that racked him, but presented to Sam, when that appreciative youth stopped his elevator at the ground floor, the sartorial perfection which Sam always vastly admired and sometimes dreamed of imitating. But for such perfection Sam had no eyes today.

At this early hour—it was not much more than half-past eight—he had brought down only two passengers, and no one but Laurie was waiting for the upward journey. When the elevator opened, Laurie stepped out, and he had not desired this continued companionship, Laurie found a certain solace in it. In his humble way this black boy was Doris' friend. He was doing his small part now to help her, if, as he evidently suspected, there was something sinister in her departure.

Entering the familiar studio, Laurie looked around it with a pang. Unlike the quarters of Shaw, it remained unchanged. The room, facing north as it did, looked a little cold in the early light, but it was still stamped with the impress of its former occupant. The flowers he had given her only yesterday hung their heads in modest welcome, and half a dozen eye-flashes revealed half a dozen little details that were full of reassurance. Here, open and face down on the reading-table, was a book she might have dropped that minute. There was the long mirror before which she brushed her wonderful hair and, yes, the silver-backed brushes with which she brushed it. On the writing-table were a pencil and a torn sheet of paper, as if she had just dashed off a hurried note.

In short, everything in the room suggested that the owner, whose presence still hung about it, might return at any instant. And yet, there in the window, where he had half jokingly told her to place it, hung the brilliant symbol of danger which he himself had selected. He walked over and took it from the latch. In doing this, he discovered that only half the scarf hung there, and that one end was jagged, as if roughly and hastily cut off. He put the scarf into his pocket. As he did so, his pulses leaped. Flashed to its folds was a bit of paper, so small and soft that even the inquisitive eye of Sam, following his every motion, failed to detect it. Laurie turned to the black boy.

Laurie set his teeth. Even Sam felt the upblinding in Shaw. "Go on," he ordered. "Den I reckon Miss Mayo she put on a coat, an' dat man wait. I thought he was gwine leave, an' I sho' was glad. But he stood dere, waitin' an' grin'n' nuff to split his hair." Laurie recognized the grin. "Bout two-three minutes she come out," Sam went on. "She had a big fur coat an' a veil on. She look awful pale, an' when dey got in de elevator she didn' say a word. Dey was'n nobody else in de car, an' it seem lak I couldn' let her go off nohow, waitin' out sayin' somethin'. So I say, 'You gwine away, Miss Mayo?' De man he look at me mighty cold an' hard, an' she only nod."

"Didn't she speak at all?" "No, sah. She ain't say a word. She jes' stood stiff an' still, an' he took her out to de car, an' dey bofe got in." "Was it a limousine, a closed car?" "Yass, sah." "Did the man himself drive it?" "No, sah. He sat inside wid Miss Mayo. The man what drove it was younger."

"What did he look like?" "I couldn't see much o' him. He had a big coat on, an' a cap. But his hair was yallah." Laurie recognized the secretary. "Which way did they go?" "East." They were standing on the top landing by this time, and Laurie strode forward. "I'll take a look around her rooms. Perhaps she left some message." Sam accompanied him, and though he had not desired this continued companionship, Laurie found a certain solace in it. In his humble way this black boy was Doris' friend. He was doing his small part now to help her, if, as he evidently suspected, there was something sinister in her departure.

CHAPTER XII Doris Was Not There, but Her Window Was, and Hanging From Its Center Was Something Bright That Caught His Eye and Instantaneous Recognition. Entering the familiar studio, Laurie looked around it with a pang. Unlike the quarters of Shaw, it remained unchanged. The room, facing north as it did, looked a little cold in the early light, but it was still stamped with the impress of its former occupant. The flowers he had given her only yesterday hung their heads in modest welcome, and half a dozen eye-flashes revealed half a dozen little details that were full of reassurance. Here, open and face down on the reading-table, was a book she might have dropped that minute. There was the long mirror before which she brushed her wonderful hair and, yes, the silver-backed brushes with which she brushed it. On the writing-table were a pencil and a torn sheet of paper, as if she had just dashed off a hurried note.

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"We'd better get out of here," he suggested, trying to speak carelessly and lending the way as he spoke. "Miss Mayo may be back at any moment." Sam's eyes bulged till they rivaled Shaw's. "You don't tink she gone?" he stammered. "Why should we think she has gone?" Laurie tried to grin at him. "Perhaps she's merely taking an automobile ride, or an early train for a day in the country. Certainly nothing here looks as if she had gone away for good. People usually pack, don't they?"

Sam dropped his eyes. His face, human till now, took on its familiar sphinxlike look. He followed "Miss Devon" into the elevator in silence, and started the car on its downward journey. But as his passenger was about to depart with a nod, Sam presented him with a reflection to take away with him.

Improved Uniform International Sunday School Lesson

By REV. P. B. FITZWATER, D.D., Dean of Day and Evening Schools, Moody Bible Institute of Chicago.

Lesson for January 23 PRAYER IN CHRISTIAN LIFE

LESSON TEXT—Mark 1:8; 14:22-25; Matt. 6:9-13. GOLDEN TEXT—Ask and ye shall find; knock and it shall be opened unto you. PRIMARY TOPIC—Prayer. JUNIOR TOPIC—Jesus Teaches Us How to Pray. INTERMEDIATE AND SENIOR TOPIC—Learning From Jesus How to Pray. YOUNG PEOPLE AND ADULT TOPIC—What Jesus Taught by Prayer.

I. Jesus Praying in a Solitary Place (Mark 1:35). After a series of most strenuous efforts Jesus retired to a lonely place to pray. He who the day before had shown His mighty power in casting out devils and banishing disease now needed to be alone with God. In order to do this He arose a long time before daylight. The very best time to pray is in the morning when our physical powers have been renewed. If the Son of God needed this time for prayer, this renewal of spiritual strength in communion with the Heavenly Father, how much more should we seek help by retiring to the solitary place.

II. Jesus Praying in Gethsemane (Mark 14:32-42). In this time of crisis He took with Him Peter, James and John. 1. The first prayer (vv. 35-38). (1) His posture (v. 35). He fell on his face prostrate on the ground. In his hour of great need we naturally prostrate ourselves before God. (2) His petition (v. 36). "Take away this cup from me." By the cup is meant His death on the cross. No doubt it was most grievous for Him to face this shame, but He pressed on, knowing that for this cause He had come into the world (John 12:27, 28, cf. Heb. 2:14).

(3) His resignation (v. 38). His will was in subjection to the Father. He knew that His death on the cross was the will of God, the Father, for He was the Lamb slain from the foundation of the world. (4) The disciples rebuked (v. 37). He singled out Peter since he had been the most conspicuous in proclaiming his loyalty (John 13:38). (5) Exhortation to the disciples (v. 38). "Watch and pray lest ye enter into temptation." The only way to be able to stand in the time of trial is to be watching and praying.

2. The second prayer (vv. 39, 40). He withdrew the second time from the disciples and uttered the same words in prayer. This was not vain repetition. It is proper to repeat our requests. He found the disciples asleep again. Their shame and confusion were more marked than at first. 3. The third prayer (vv. 41, 42). He uttered the same words in the third prayer (Matt. 26:44). He tells the disciples to sleep on and take their rest as the hour had now come for His betrayal. There is such a thing as being asleep when wanted and awakening when it is too late. If the disciples had been praying they would not have fallen asleep.

III. Jesus Giving a Model Prayer (Matt. 6:9-13). This model was given in response to the disciples' request that the Lord would teach them how to pray (Luke 11:10). It is not therefore the Lord's prayer, but the model prayer for the disciples. It involves: 1. A right relationship (v. 9). "Our Father." Only those who become children of God by faith in Jesus Christ (Gal. 3:26) can pray aright. One must be a child of God before he can be in communion with God. 2. A right attitude (vv. 9, 10). "Hallowed be Thy name." When one realizes that he has been delivered from the power of darkness and translated into the kingdom of His Son (Col. 1:13) by being made a child of God, he cannot help pouring out his soul in gratitude and praise, intensely longing for the kingdom, the righteous rule of Christ to come on the earth.

3. A right spirit (vv. 11-13). (1) That of trust which looks to God for the supply of daily bread. We are dependent upon Him for our daily food. With all man's boasted progress he cannot make a harvest. The marvels of modern chemistry are insufficient for this. (2) That of love which results in forgiveness of others. God will not listen to the prayer of one who has an unforgiving spirit. (3) That of holiness which moves one to pray not to be led into temptation and longs to be delivered from the evil one.

"Soiled" Language The language of some men is so "soiled" that it seems a proof that they were formed of the soil.—King's Business. Things to Give Away The Lord has a few things to give away if you can get where you can take them.—Echoes. Be a Gideon God wants to make you a Gideon for His glory and His cause.—Echoes.

WEEKLY South-West NEWS ITEMS

The two-story residence of Mr. and Mrs. D. C. De Baca at Bernalillo, N. M., a land mark there, burned a few nights ago. George J. Hassell, slayer of his wife and eight children, was found guilty and sentenced to death by a jury at Clovis, N. M. The new hotel at Raton, N. M., still seems a certainty and at present architects are busy on detailed plans and specifications.

E. A. Scheick, head of the education department at the New Mexico Normal, has been granted a three-months' leave of absence. A. A. Worsley, attorney and former senator from Pima county, Ariz., and a direct descendant from Oliver Cromwell, died in a Tucson hospital. John C. Mandy, age 19, son of Mr. and Mrs. William Mandy of Douglas, Ariz., met death when his car overturned on the Bisbee-Naco road.

Professor Beck, formerly of Oklahoma University, has accepted the position as head of the English department at Montezuma College, N. M. Mrs. Anna Frohmiller, state auditor of Arizona, and J. C. Callaghan, state treasurer, took their oaths of office together with all re-elected heads of departments. Five Chinese from California were sentenced to die on the gallows in the state penitentiary at Florence, Ariz., March 11, for the slaying of Tom King, Kingman restaurant keeper.

The Gruver Roller Bearing Manufacturing Company, with principal offices at Albuquerque, was incorporated for \$250,000 by P. F. Gruver, A. B. Seaton, Amarillo, Texas, and Frank Steed of Albuquerque. The case of the state of New Mexico against Mrs. Catherine Halsey, sentenced to hang following a verdict of guilty in the first degree, has been reversed by the Supreme Court and remanded back for new trial.

Completion of the "Greater Arizona" program outlined for 1927, and annual election of officers, was the principal business at the first meeting of directors of the Arizona Industrial Congress for the new year. At a meeting held recently to consider various highway matters, the good roads committee of the Phoenix Chamber of Commerce reaffirmed its endorsement of the construction of the Rice-Springerville road.

Donald W. McKay of the extension department of the New Mexico Normal University announces that the New Mexico Normal University will continue its program of residence extension work in Raton, to give an opportunity to the teachers of the city and college work while in service. The final organization of the Elephant Butte council of farm bureaus was completed recently at El Paso with the announcement of the selection of L. A. Ellis of Fabens as president, L. W. Worsham of El Paso county will be vice president, and L. T. Gillette, Canutillo, secretary-treasurer.

A total of 14,368 men were employed in Arizona mines Dec. 15, according to the annual report of Tom C. Foster, state mine inspector. The report shows that there were forty-five fatal accidents in the mines during the year and there were 793 mine accidents not resulting in death. Of the number of men employed, 3,705 were workers above the surface and 10,693 below the surface. State Auditor Otero announced that the New Mexico State Finance Board had authorized the purchase of \$350,000 worth of highway debenture bonds previously offered for sale, but rejected by the board. One hundred thousand dollars will be taken from the general fund and the state treasurer has been authorized to sell \$250,000 of an early issue of liberty bonds and use the proceeds for the purpose of the debentures.

A new chapter in the history of Arizona's dairy industry, once dominant in the agriculture of the Salt River valley and almost in eclipse in the cotton years since the war, seems destined to be written in 1927. For months there has been talk that dairying was "coming back," partly because the cotton slump has restored diversified farming to public favor, partly because a large part of the new lands being developed by new projects necessarily will go into alfalfa. Scores of farmers are returning to their first love—the dairy cow—and such organizations as the Farm Bureau, Arizona Industrial Congress, Arizona Brooders' Association, and Maricopa County Cow Testing Association have launched a concerted effort to bring dairying back on a sound basis by improving herds and discouraging importation of "scrub" stock.

The Northern Arizona State Teachers' College resorted to opening the emergency hospital as a rooming house with the influx of students for the winter quarter. Figures given out by the registrars' office showed a 23 per cent increase in registration over those for last year. The New Mexico State Board of Health entered the field of those developing legislation from the Eighth state Legislature when it met recently, with the recommendation of several bills and modifications contained in the fourth biennial report.

Too Much "Acid?"

Excess Uric Acid Gives Rise to Many Unpleasant Troubles. AUTHORITIES agree that an excess of uric acid is primarily due to faulty kidney action. Retention of this toxic material often makes its presence felt by sore, painful joints, a tired, languid feeling and, sometimes, toxic headaches and headache. That the kidneys are not functioning right is often shown by scanty or burning passage of secretions. Thousands assist their kidneys at such times by the use of Doan's Pills—a stimulant diuretic. Doan's are recommended by many local people. Ask your neighbor!

DOAN'S PILLS 60c

Stimulant Diuretic to the Kidneys. Foster-Milburn Co., Mfg. Chemists, Buffalo, N.Y.

PISO'S for coughs

Quick Relief! A pleasant effective syrup. 35c and 60c sizes. And externally, use PISO'S Throat and Chest Salve, 35c.

BABIES LOVE MRS. WINSLOW'S SYRUP

The Infants' and Children's Register. Pleasant to give—pleasant to take. Guaranteed purely vegetable and absolutely harmless. It quickly overcomes colic, diarrhoea, flatulency, and other like disorders. The only published formula appears on every label.

MUDDY, OILY SKIN quickly improved and usually cleared entirely if properly treated with Resinol

Age, It Seems, Doesn't Lessen Golfing Skill That golf is an old man's game is a taunt not so often heard nowadays, when everybody plays it; but when golf was younger and golfers fewer it had often to be endured with such severity of manners as could be mastered. Perhaps there will be a recrudescence of it now, not, it must be owned, without some justification, because it has just been most gloriously exemplified. The News of the World tournament, which carries off the match-play professional championship of Britain, was recently won by a man who is fifty-eight years old, the evergreen Sandy Herd. That this should be possible does not reflect, perhaps, to the credit of our younger players; it may go some way to explain why they have made so disappointing a showing against the conquering invaders from America. But this is a poor, grudging spirit. Away with melancholy! Let us rather take off our hats to this venerable hero, with no afterthoughts, but with single hearts, full of admiration.—Kansas City Times.

Frosting for Cakes Most people like their cakes frosted and chocolate continues to hold first place as the favorite icing. When making Fudge Frosting add 1/2 teaspoon Calumet Baking Powder to a mixture of 2 cups sugar, 1/2 cup milk and 2 squares of bitter chocolate.

Pipe Joints of Rubber One of the most remarkable recent applications of rubber is in the manufacture in England of flexible pipe joints. These rubber joints, says Popular Science Monthly, are being used for pipes carrying water, gas and oil, their chemical resistant properties giving them special advantages.

Span of Life The average span of life is the highest in Kansas, where figures show 73.73 years for males and 69.89 for females. Pittsburgh has lowest, having a span of 47.10 years for males and 51.42 for females.

Colds Fever Grippe! Be Quick—Be Sure!

Get the right remedy—the best men know. So quick, so sure that millions now employ it. The utmost in a laxative. Bromide-Quinine in ideal form. Colds stop in 24 hours. La Grippe in 3 days. The system is cleaned and toned. Nothing compares with Hill's. Be Sure It's Hill's Price 30c. CASCARA QUININE. Get Red Box with portrait.

VAPO Wonderful Compound don't have Catarrh and Pyorrhea at Tomals taken out, wash mouth and nose with Vapo, kills all Catarrh and Pyorrhea germs and keeps gums and membrane in healthy condition. Price \$1. Write VAPO, Cripple Creek, Colo. WE PAY YOU CASH for gold bridges, teeth, old plates, diamonds, discarded jewelry, and made by WHITING, 401 Broadway, New York, N.Y.

Fox Fires No Longer Cause Childish Fear

Boys and girls nowadays seldom experience the thrill of seeing a mysterious light glowing dimly in the depths of the forest or gleaming from some half-buried rotten log in a lonely swamp. The cutting away of the forests and the draining of swampy land have cleared from much of the landscape the causes which produce fox fire. In early days, however, the feet of pioneer children often were sent scampering home in the twilight when their owners came unexpectedly upon a light which seemed to have no source, says the Indianapolis News. Ghosts and goblins and all sorts of evil omens ever have been associated with the appearance of fox fire and will-o'-the-wisps. There long has been a difference of opinion regarding the cause of fox fire, but now it is generally conceded to be due to a living fungus growth which permeates decaying vegetable matter and which possesses the power of emitting waves of light. No sensible heat waves are thrown out, and in this respect fox fire resembles the light emitted by fireflies and glowworms. Many a ghost might have been traced to its lair had the origin of phosphorescence been understood better, especially in the countries where the will-o'-the-wisps are reputed to be of frequent occurrence.

High Winds on Peak Half a century ago a group of hardy observers of the weather spent their winters on Mount Washington. They lived in a low stone house, chained to the solid rock, says a writer in the American Magazine. They found that the wind on the peak often blew 150 miles an hour. On one occasion it raged across the summit at the rate of 186 miles an hour; three or four times as fast as an express train.

Nearly \$3,000,000 in postal money orders were sent from America to Sweden in the last year.

SIMPLE GEORGETTE FROCK; WRAPS FOR YOUNG GIRLS

A MAZINGLY clever fabric manipulation with dependence placed upon striking color for individualism rather than the presence of applied trimming—this is the fashionist's conception of a perfect gown for dinner, dance or formal afternoon wear.

made a study of apprelling the younger generation have decided that certain furs are essentially youthful in appearance.



FEATURED BY ABSENCE OF TRIMMING

all-black georgette frock for evening wear, void of trimming but abounding in the intricacies of floating panels and draperies, myriads of tiers.

As to belt effects, the smartest are worked in as part of the making of the dress, and in a measure, answer to the call for intricate seaming, which dressmakers say is part of the styling program for the coming season.



FURRED IN WHITE AND GRAY

son. Panels suspended from the shoulder also give unique and graceful touch to this model aptly demonstrating the beautiful effects achieved in the handling of the material, which mark the more exclusive styling.

they are not—and what cares youth if the "looks" be there.

JULIA BOTTOMLEY.

(©, 1927, Western Newspaper Union.)

The Kitchen Cabinet

(60, 1927, Western Newspaper Union.) The world is so framed that when two or three persons join against another to form a bad reputation, the crowd, without knowing why, follows the lead as though for the simple pleasure of crushing what is deftly accused.—George Sand.

INVALID COOKERY

We must not fail to take into account the invalid and convalescent in the home for there are few who do not need at times to know how to serve food for those who are ill.

Egg Nog.—Beat a fresh egg yolk very light, add one tablespoonful of sugar, a few grains of salt, nutmeg or vanilla for flavoring, two-thirds of a cupful of milk and add the beaten egg white; stir well before serving.

Oatmeal Gruel.—Stir one-half cupful of oatmeal in one quart of boiling water, after salting it slightly. Cook two hours in a double boiler, put through a strainer, dilute with milk or cream and reheat and serve. A beaten egg may be added either whole of white or yolk, which adds to the nutriment of the gruel.

Koumiss.—Heat one quart of milk until warm, add one and one-half tablespoonfuls of sugar, one-fourth of a yeast cake dissolved in lukewarm water. Fill sterilized bottles with the milk, allowing two inches at the top. Cork and shake. Invert the bottles and keep them warm for ten hours, then put in a cool place. Let stand forty-eight hours, shaking occasionally, when it is ready to use. It is not good after three days.

Chicken Soup.—Take one quart of good chicken broth, stir in two tablespoonfuls of quick cooking tapioca, cook until the tapioca is clear, remove from the fire and add the beaten yolks of two eggs with one-half cupful of cream; cook until thick, add salt and pepper and turn into the tureen. Cover with the stiffly beaten whites which have been poached on hot water. If preferred the egg white may be added just after the yolks and stirred in lightly.

Plain Junket.—Crush one-fourth of a junket tablet and let it dissolve in a tablespoonful of water. Heat one cupful of rich milk, add two tablespoonfuls of sugar and add the junket tablet. A few grains of salt may be added. Pour into molds or cups and let stand in a warm room until thick. Serve with cream and sugar.

Good Things for All. The following are some of the meats we like to prepare in winter time:

Brown or Head Cheese.—Wash a pig's head in tepid water. Take out the brains and cleanse the head thoroughly. Put into boiling water, then raise well and cover with cold water, simmer another hour; strain the liquor, add one quart of it to the prepared meat and season to taste. Pack into a mold and let stand until chilled.

Chicken Scramble.—Into one quart of chicken stock (boiling hot) stir one pint of cornmeal that has been thinned with cold water. Season to taste and cook for half an hour, then add the bits of chopped chicken that are at hand. Pour into a mold and serve fried in slices for a breakfast dish.

Ox-Joints With Vegetables.—Two ox-joints have enough meat on them to furnish flavor to quite a dish of vegetables. Cut the two joints into pieces at the joints, put into a saucepan and cover with water, boil five minutes, drain and fry in a little butter to which a sliced onion has been added. When well seared and browned, add one-half cupful each of carrots, celery, turnip, beans or peas, cover with boiling water and simmer until the vegetables are soft. Season well with salt, pepper and a little minced parsley. Serve with a brown gravy poured over the ox-tails and vegetables.

Sour Beef.—Take one and one-half pounds of beef, using the tougher portions, cut the meat into inch squares and brown in a little fat. Add two tablespoonfuls of flour to the fat in the pan after removing the meat; when brown add two cupfuls of water or stock and stir until blended. Put in the meat, cook slowly for an hour, then add two onions, salt and pepper to taste and at the last a tablespoonful of Worcestershire sauce and the same of vinegar. Continue cooking until the meat is tender. Sprinkle with chopped parsley and serve.

Molasses Cake.—Take one-half cupful each of brown sugar and New Orleans molasses, one-third of a cupful of cold water, one egg, one teaspoonful of soda, two tablespoonfuls of butter and enough flour to make a batter that drops like a veil from the spoon. Bake in layers and use the following for filling: Take one-third of a cupful of brown sugar, boil to a thread with three tablespoonfuls of water, pour this over the stiffly beaten white of an egg, whip until cool, then use as filling.

Mend a torn hair net with a hair from your head threaded through a needle.

These were the gifts that were given to George when he was awakened by the three little men who roused him by playing to him on their brass trumpets.

They had heard that George liked to be generous to himself, and that he liked to allow himself plenty of sleep, and that he wished he had more than one mouth so he could eat more than he now could.

Oh, he wanted a great deal, and he felt as though he would like to be ever and ever and ever so generous to himself.

George didn't take any time when the little men told him to get out of bed.

"We're going to help you," they said. "And they led him to the most amazing place he had ever seen in his life. It was filled with everything.



Daddy's Evening Fairy Tale

BY MARY GRAHAM BONNER

GEORGE'S GIFTS

These were the gifts that were given to George when he was awakened by the three little men who roused him by playing to him on their brass trumpets.

They had heard that George liked to be generous to himself, and that he liked to allow himself plenty of sleep, and that he wished he had more than one mouth so he could eat more than he now could.

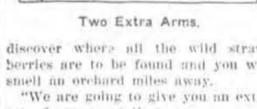
Oh, he wanted a great deal, and he felt as though he would like to be ever and ever and ever so generous to himself.

George didn't take any time when the little men told him to get out of bed.

"We're going to help you," they said. "And they led him to the most amazing place he had ever seen in his life. It was filled with everything.

Not just toys and animals and brownies and people, but with extra noses all laid on neat shelves and extra legs and arms and mouths and eyes. And of course there was a pantry filled with no end of food, and there were toys and animals as well.

"You are ambitious," they said to George, "and we want to help you. "So we're going to give you an extra nose. Then you will be able to



Two Extra Arms.

discover where all the wild strawberries are to be found and you will smell an orchard miles away.

"We are going to give you an extra set of arms and then you can reach for things at the table without being noticed for your usual two arms can stay in place.

"We are going to give you two months for then you can eat twice as much.

"And we are going to give you two extra ears so you can hear more than others and can even tell when the neighboring town is having a band concert or a circus parade.

"We are going to give you an extra brain for thinking up more things you might want, and we are going to give you two extra eyes for seeing more things you otherwise might not see and which you might wish to have.

"We are going to give you two extra legs so you can get to places much more quickly and thence soon and enjoy so much more.

"We are going to give you twice the amount of time for sleeping so when you are called in the morning you need not pay even the slightest bit of attention for you will know you have the time again you have had in sleeping.

"Soon your family will realize this. "We are going to give you twice the amount of time in which to play."

"Oh," said George finally, "this is almost too much."

"Oh no," said the little trumpet men, "only twice as much as most have. That can't be too much."

"No," agreed George, "I think that's all right."

"Good," said the little trumpet men, "we're so glad you agree. "And now for fixing you up."

They put two extra arms just under where George's arms now were.

The put two legs alongside his other legs as he did not want to walk on all fours like an animal. They pressed something into his head which they said was an extra set of thoughts and they put on the additional ears and attached two more eyes, and one month right above the other.

Passing of Community Singing Loss to World

"What has happened to community singing, which did its part in winning the war and afterward made life sweeter for age as well as youth?" asks the Independent, Boston. There is a dearth of it now, and even when one finds it the old gusto is gone and the listless choruses drag through to a drooping end. This ought not to be. There is much more than a social heart warming in popular song, important as that may be in our conglomerate country. The individual's own stimulus is most important of all, for he ought to "go forth to life" with spirit and power.

One cannot listen in church, which ought to be the greatest place for community song, without wondering why the gift has fallen into disuse. People mechanically go through the form of opening their hymn books and rising, and then seem abashed into silence by the sound of their own voices.

Holds Hope for Lepers Dr. Paul A. McIlhenny has reported to the American Medical Association on preventive methods that may bend off many of the frightful deformities long associated with leprosy. At the national leprosanarium at Carville, La., corrective treatments consisting of massage, baths, exercises and ultra-violet irradiation have been used with success in treating the misshapen hands and feet even of cases of long standing, says the specialist. Since little preventive work of this character has ever been attempted in leper colonies, physicians are watching the progress of these corrective methods with great interest. So many deformities have been improved that in time cures of the less severe deformities are not regarded as impossible.

"Dandelion Butter Color" A harmless vegetable butter color used by millions for 50 years. Drug stores and general stores sell bottles of "Dandelion" for 35 cents.—Adv.

Clyde Holds Distinction The River Clyde, in Scotland, is the greatest shipbuilding river in the world and special facilities have been made for fitting out the largest and finest merchant and war vessels. About half of the quayside has come into existence during the last 30 years. The shipbuilding area has been greatly expanded in recent years, in spite of the many shipbuilding centers that sprang up as a result of the war.

Giving Mother Away "Ma, you were wrong about the wedding," bawled little Tommy, his mother having come in late.

"What do you mean?" "You said Mr. Flibbub was going into it blindfolded, but he didn't."

Fits In "How is the service at the apartment house where you live, good?" "Best ever. Why, the janitor has a dress suit and makes a good emergency man at bridge."

To Have a Clear, Sweet Skin Touch pimples, redness, roughness or itching, if any, with Cuticura Ointment, then bathe with Cuticura Soap and hot water. Rinse, dry gently and dust on a little Cuticura Talcum to leave a fascinating fragrance on skin. Everywhere 25c each.—Advertisement.

Sleeping Sickness Cure After injecting a specially prepared mixture containing gold and silver, a London doctor reports a cure of a severe case of sleeping sickness.

Probably Right Prof.—What did Archimedes discover when he was taking his bath? Bright Boy—Dirt.

If a woman is lonely she tries to persuade herself that she has a classed face.

Love is responsible for a good many frosts in summer and for a few hot waves in winter.

Wise men ascertain what is on the other side of the hurdle before jumping at conclusions.

Get your facts first—and then you can distort 'em as much as you please.—Mark Twain.

Get your facts first—and then you can distort 'em as much as you please.—Mark Twain.

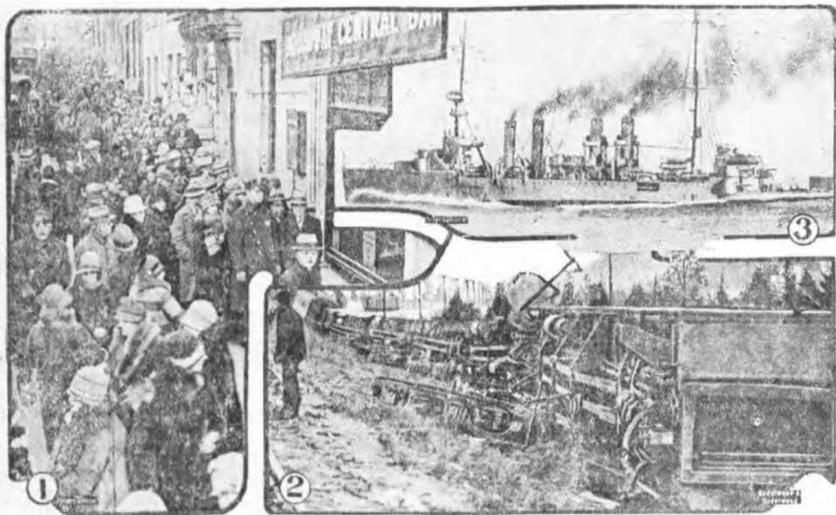
Advertisement for Bayer Aspirin. Includes text: 'Genuine BAYER ASPIRIN', 'SAY "BAYER ASPIRIN" and INSIST!', 'Proved safe by millions and prescribed by physicians for Colds, Headache, Neuritis, Lumbago, Pain, Neuralgia, Toothache, Rheumatism', 'DOES NOT AFFECT THE HEART', 'Safe', 'Accept only "Bayer" package which contains proven directions.', 'Particulars, Please', 'How He Does It'.

Advertisement for Tanlac. Includes text: 'Noted Sportsman Scores Again', 'L. B. Simmons, winner of many fishing and shooting trophies, wins fight for health. At 68 he stages comeback with aid of Tanlac', 'From behind the counter of his fishing tackle shop at 1434 1/2 Larimer St., Denver, Colo., surrounded by the trophies of 45 years with rod and gun, the famous sportsman smiled genially as he told of his latest victory.', 'Criticize yourself today and others tomorrow.', 'The collector of the wages of sin is never turned away empty handed.'

Advertisement for Fletcher's Castoria. Includes text: 'Children Cry for Fletcher's CASTORIA', 'MOTHER:—Fletcher's Castoria is a pleasant, harmless Substitute for Castor Oil, Purgative, Teething Drops and Soothing Syrups, especially prepared for Infants in arms and Children all ages.', 'To avoid imitations, always look for the signature of Dr. J. C. Fletcher. Proven directions on each package. Physicians everywhere recommend it.'

Advertisement for Calumet Baking Powder. Includes text: 'NO SUBSTITUTE For Calumet quality—purity or economy—for the pure, wholesome bakings it produces. Your guarantee against failure—against waste.', 'CALUMET THE WORLD'S GREATEST BAKING POWDER', 'MAKES BAKING EASIER—IT'S DOUBLE ACTING', 'Sales 2 1/2 Times Those of Any Other Brand'.

Nellie Maxwell



1. Scene during run on Broadway Central bank, New York, that caused its sale to another bank. 2. Wreck of the Olympian, crack C. M. & St. P. train, near Missoula, Mont. 3. Cruiser Cincinnati, one of the six vessels sent to reinforce the American naval forces in Nicaragua waters.

NEWS REVIEW OF CURRENT EVENTS

President Justifies His Nicaragua Policy and Accuses Mexico.

Explaining and justifying his Latin American policy, President Coolidge in a special message to congress related the events that have led up to the administration's action in the case of Nicaragua, and directly accused the Mexican government of promoting the revolution in that country that, he said, is endangering the lives and property of American citizens and the interests of the United States in Nicaragua—the latter being the canal route rights and the lease of a navy base on the Gulf of Fonseca. These rights and American investments, Mr. Coolidge asserted, placed a "peculiar responsibility" on the United States in Central America.

While disclaiming any desire of intervention in their internal affairs, the President declared that "the stability, prosperity, and independence" of the Central American republics "can never be a matter of indifference to us," and served notice on President Calles of Mexico and all others concerned that the United States will not tolerate "the jeopardizing of American interests" and impairment of constitutional government in that region.

"I have the most conclusive evidence," said President Coolidge, "that arms and munitions in large quantities have been on several occasions since August, 1925, shipped to the revolutionists in Nicaragua.

"Boats carrying these munitions have been fitted out in Mexican ports and some of the munitions bear evidence of having belonged to the Mexican government. It also appears that the ships were fitted out with the full knowledge of and, in some cases, with the encouragement of Mexican officials, and were, in one instance, at least, commanded by a Mexican naval reserve officer."

The President told of the starting of the revolution and the election of Adolfo Diaz as president-designate by the congress, arguing that that election was quite constitutional. On Wednesday Secretary of State Kellogg, appearing before the senate foreign relations committee, presented the same arguments, amplified the administration policy and then declared his department was in possession of documentary proof that the Mexican government had been active not only in arming the Nicaraguan revolutionists but also in plotting the bolshevik penetration of Central America to the injury of the United States.

Senator Borah, chairman of the committee, was unconvinced and made a long speech attacking the administration's policy. It was predicted in Washington, however, that the message and Mr. Kellogg's statement would serve to bring a majority of congress to the support of the President in the course he is pursuing. The house committee on foreign affairs also undertook an examination of the situation but spent much of its time in partisan squabbling.

Meanwhile efforts were being made in Nicaragua to bring about peace. Leading liberals proposed a conference and the conservatives seemed willing to hold such a meeting with Rear Admiral Latimer as arbitrator. Sacasa voted the plan but it seemed he might be ignored by a large faction of his party. Considerable reinforcements to the American naval forces in Nicaraguan waters were on their way, and Admiral Latimer established new neutral zones.

However certain he may seem to be, it is certain President Calles is not looking for trouble with the United States, for he has enough of that already within his own country. There was a new outbreak of Catholic uprisings in various regions in which scores were killed in street fighting and other scenes were executed by the government. Bishop Pascual Diaz, secretary of the Catholic episcopate, and other prelates were arrested on charges of sedition, and Monsignor Diaz was taken to Vera Cruz, presumably to be deported. These arrests immediately followed the proclamation, issued in El Paso, Texas, of a state of revolution in Mexico, and the setting up of a government with Rene Capistrano Garza, a Catholic leader, as provisional president. Jose F. Gandara, "chief of military operations," said fifteen thousand rebels were under arms in Mexico, not including various independent groups in the south. Durango and other towns were reported captured by the revolutionists, and an American correspondent says the rebel bands are burning bridges and ranch houses, wrecking railways and generally harassing the government forces.

OVER in China, where our naval forces are active or ready to become so at need, matters seemed to have quieted down a little pending the expected movement of the Cantonese armies against Shanghai. The foreign authorities in that city have formally warned the Chinese against invading the foreign concessions and their police force and volunteer units have been ordered to keep them out by force of arms. Warcraft of the several foreign nations concerned, including the United States, are concentrating at Shanghai. Admiral Williams went from Manila on the U. S. S. Pittsburgh and resumed command of eight American destroyers already there, and Admiral Sir Reginald Tyrwhitt arrived to command the British squadron. All up the Yangtze, whence foreigners were fleeing, the anti-foreign feeling was growing stronger and the prospects for a serious conflict at Shanghai were good.

Engine Chen, foreign minister of the Cantonese government, urges the United States to take no part in the opposition to the occupation of Shanghai by the Nationalist forces, saying the Cantonese would enter that city, not as conquerors, but as conservers of the work done by the foreigners during the last century. The British authorities in Hankow are reported to have demanded the speedy return of the British concession there. Representatives of the Peking government are said to have "suggested" that the foreign concessions in that city be handed over to the Chinese.

DEFEATED in all their efforts for a "big navy" except a provision for the construction of a new dirigible, the advocates of strong national defenses last week turned their attention to the War department supply bill, seeking to boost the budget bureau figures by about \$5,000,000. Here is what they wanted to do:

1. To increase the army's enlisted personnel from 115,000 to 118,750.
 2. To increase the daily ration allowance 5 cents a day per man.
 3. To increase the allowance for the National Guard establishment by \$800,000 and that for the officers' organized reserves by \$400,000.
 4. To provide increased funds for the reconditioning of the army transport grant and the purchases of 725 additional mules and 15,000 horses.
 5. To provide \$310,000 for the erection of sorely needed buildings at West Point.
- The house committee rejected most of the budget bureau economies.
- FULL indorsement of the new McNary-Haugen farm relief bill was laid before the house agriculture committee by four farm organizations—the American Farm Bureau federation, the Cotton Growers' exchange, the Corn Belt federation and the executive committee of twenty-two. In view of this organized action Chairman Haugen said his committee might not wish to consider further either the Aswell or Curtis-Crisp bills, particularly since the equalization fee, which has been the center of farm-relief controversy, was approved by a 13-to-0 vote.

OSTENSIBLY because of his connection with railway and coal companies, the appointment of Cyrus E. Woods of Pennsylvania to the Interstate commerce commission was disapproved by the senate committee on Interstate commerce by a vote of 8 to 0. The contest thus was transferred to the floor of the senate, where it was expected the senators from Virginia, West Virginia, Tennessee and Kentucky would lead the opposition to Woods and those from Pennsylvania would support the nomination.

The committee held to be unfounded the charge, made by Senator Steak of Iowa, that Senator-elect Brookhart of Iowa had been a paid lobbyist for Woods. Mr. Steak already had withdrawn the charge.

THOROUGH investigation of reported graft and scandal in the operation of the "under cover" branch of the prohibition service will be made by the senate, which adopted a resolution to that effect introduced by Reed of Missouri. Mellon, Andrews and Blair are instructed to furnish all the correspondence in the department relating to the special agents, their orders and their expenditures. This inquiry is expected to bring out the facts concerning the operation by A. Bruce Bielaski of a speak-easy club in New York to trap bootleggers and patrons, and also concerning the reported operation of stills by dry agents.

GOVERNOR RITCHIE of Maryland, on his third inauguration, reaffirmed his stand for the rights of states against "encroachment of centralized federal government" and declared summary laws regulating personal practices and relations. He didn't mention next year's Presidential campaign and its possibilities, but all through the hall were gold banners bearing the words: "Ritchie for President."

Governor Moore of New Jersey in his annual message advocated a state prohibition referendum and repeal of the state enforcement act.

GOVERNOR PINCHOT of Pennsylvania has refused to certify, in the usual form, the election of W. S. Vare as senator, according to a letter from him read to the senate. Certifying "that on the face of the returns Vare appears to have been chosen by the qualified electorate," Governor Pinchot expressed the opinion that his nomination was "partly bought and partly stolen" and that the election, as well as the primary, were tainted with fraud.

SOUTHERN CALIFORNIA may be relied on to keep the country supplied with scandals. Just as the Almee Semple McPherson sensation died with the dismissal of the charges against her, Mrs. Charlie Chaplin began suit for divorce from the famous screen star, whom she accused of all sorts of things, including cruelty and infidelity. Charlie had left Los Angeles, whereupon a court there appointed receivers for all his property and his palatial residence and movie studio. Mrs. Chaplin in her bill estimated her husband's wealth at \$10,000,000, of which she declared \$10,000,000 is community property; from which it is seen that she will demand approximately \$5,000,000 if a decree is granted.

DR. JULIUS CURTIUS, former minister of economics and member of the People's party, has been appointed chancellor of Germany by President von Hindenburg and is trying to form a new cabinet based on a coalition of the bourgeois parties. He has the support of Foreign Minister Stresemann, the chief figure today in German politics, but Berlin is skeptical about his prospects of forming a government that will stand up.

SEVENTY-FIVE children were killed and many others injured as the result of a blaze in a moving picture theater in Montreal. When the flames broke out the children rushed in panic for a door leading from a balcony, and in less than ten minutes the tragedy was over, most of the deaths being from smoke asphyxiation and suffocation.

Big Cause for Clover Failure

Acreage Declining Because of Spread of Anthracnose in South.

(Prepared by the United States Department of Agriculture.)

For some years the acreage in red clover has been declining quite its much in the southern and southeastern parts of the clover belt as elsewhere. The area in question includes Delaware, Maryland, Virginia, West Virginia, Kentucky and Tennessee. Anthracnose disease, according to the United States Department of Agriculture, is the chief cause for red clover failure in these states. This disease is described in Farmers' Bulletin 1510-F, just issued by the department. The bulletin also reports on some experiences with red clover seed from different sources when seeded in infected territory and calls specific attention to the only remedy—the use of seed produced by plants resistant to anthracnose disease.

Anthracnose may attack the clover plants either in the seedling stage or when they are fully matured. It is the injury to the crown of the plant which, between July and early September, causes heaviest losses in spring seedlings and which may practically destroy a stand of clover. Many of the cases of so-called winter injury are no doubt due to a severe thinning of the stand during the summer or to the death of plants during the winter as a result of the earlier injuries caused by the disease.

The best means of combating clover anthracnose is by the development and use of strains of clover resistant to its attacks, a method advocated years ago by the Tennessee agricultural experiment station. At present there is only one distinct strain known to be highly resistant, says the department, though there appears no reason why other highly resistant strains should not be developed locally throughout the infected area. The one resistant strain known was developed several years ago by the Tennessee station. Under climatic conditions of Tennessee and neighboring states it is capable of maintaining a heavy clover stand in spite of attacks of anthracnose. It does not, however, show up to such advantage when sown in northern states. The behavior of this strain demonstrates the advantage to be gained by developing and using clover which has become acclimated and suited to the local conditions under which it is to be grown. The seed supply of this Tennessee strain is very limited at present, however.

Highly resistant strains can be developed by farmers themselves if they will take the trouble to save seed from plants that survive and mature in a diseased field. The very fact that some plants are able to live and mature in spite of the presence of anthracnose indicates their resistance to its attacks. Organized efforts should be made by local state authorities to stimulate production of resistant seed and a demand for such seed. As long as seed of unknown origin must be used the department advises seeding in late summer or early fall wherever experience has not shown this to be impracticable. Seeding at this time will give the clover plants a chance to escape the early attacks of the disease and produce a hay crop even though there may be no second growth.

Copies of this bulletin may be obtained as long as the supply lasts by writing to the United States Department of Agriculture, Washington, D. C.

Everything to Be Said for Pushing Pig Along

There is everything to be said for pushing a pig to quick maturity. A point is reached early in its existence when more meal is required to produce a pound of flesh. The pig, like all other growing or producing animals, requires a maintenance ration that cannot be used for growth or production, and the longer it lives the more will it absorb in maintenance—and attendant; if it is allowed to grow in a so-called store condition it will have exceeded the most salable size by the time it is fit for slaughter; and lastly the benefit of rapid turnover is sacrificed.

Farm Hints

- It pays to keep cherry trees from growing too high; height makes it difficult to harvest the fruit.
- When corn is 75 cents per bushel farmers can afford to pay as high as \$27 to \$30 a ton for shorts to feed to hogs.
- Sows that will produce litters next spring should have plenty of exercise. They should be in good flesh but not too fat at farrowing time.
- Put alfalfa or clover hay in an open wire basket where hens can get the leaves. They are a first-class substitute for green feeds during winter.
- Old apple trees may be pruned heavier than young ones, for the stimulating effect of heavy pruning is not so objectionable with them, but large or scabbed limbs should be removed only where necessary.

Farm Forest Large Labor-Saving Crop

Within the Reach of Every Farmer Without Outlay.

Reducing labor costs increases profits in any business and most progressive business men are constantly on a search for labor-saving systems. Farmers do this by installing labor-saving machinery but there is still another way which has been largely overlooked and this lies in giving more attention to labor-saving crops.

"The farm forest is one of the great labor-saving crops for North Carolina farmers," says R. W. Graeber, extension forester. "This crop is within the reach of every farmer without a great outlay of money if he will only co-operate with nature and follow the system which nature so plainly suggests."

Mr. Graeber states that no special soil preparation such as plowing and harrowing is needed for a crop of pines, oaks or poplars. No seed is needed if a few sand trees are left in place. No fertilizer is needed because nature maintains the fertility of the forest soil through the annual fall of leaves and twigs. All that is necessary is to keep out destructive forest fires. When the trees are kept out, a heavy blanket of leaf litter prevents weed growth and helps to hold a good supply of moisture. It is in the harvest alone with a timber crop that labor of man is required.

"Nature has provided fine conditions for tree growth in North Carolina," says Mr. Graeber. "Good soil, ample rainfall and a long growing season will permit any farm woodland to produce an annual growth of one-half to one cord of wood per acre, while many acres of pines are producing two cords and more a year each year. Where a farmer does not cut more than the annual growth of his timber, a self-perpetuating, labor-saving crop is made an actual reality."

It is not necessary to spare the ax but it is necessary to use the ax that the best tree specimens have an opportunity to contribute their share to an unending crop, states Mr. Graeber.

Feeding Hens Legume Hay

Favored Plan in Winter

Legume hay, either cut in one-half inch lengths or left in its natural form placed in a wire basket or box may be fed to laying hens during winter as a substitute for succulent green feed. The second and third cuttings of alfalfa are best for these birds because they have a higher percentage of leaves, according to the New York State College of Agriculture at Ithaca, N. Y.

Quoting the Ohio experiment station, the college says that, from November to May, no good results were obtained from laying pullets confined indoors and fed legume hay as from those having access to an outside range of blue grass.

The hay should be carefully cured to preserve the green color for the valuable properties of the plant seem to be linked with the color. Alfalfa and clover leaf shatterings are often obtainable when these hays are fed to other animals.

The Ohio experiment station reports that no benefits were derived from ordinary alfalfa meal mixed in the mash at a rate of 5 per cent by weight. Whether the poor product, alfalfa leaf meal, will prove valuable like the hay, remains to be determined.

Another good way to feed the legume hay is to tie it in a bundle and suspend it from the ceiling within easy reach of the birds. The department says it is surprising how the birds relish the hay and the quantity they will eat.

Give Pig Some Protein to Balance Corn Ration

Many farmers have more trouble in successfully growing fat pigs than they do with spring pigs.

According to the New Jersey State College of Agriculture, this is generally due either to parasites or to certain deficiencies in the ration. A large percentage of the winter ration generally consists of corn, and this food supplies the nutrients needed for fattening, but must be balanced by some protein feed if proper gains are to be made. If skimmilk or buttermilk is available it is unexcelled as a hog feed to supply the necessary protein to balance the corn.

If neither of these is to be had, a mixture consisting of two parts of tankage, one part of linseed oil meal, and one part of alfalfa meal is good, advises W. C. Skelley, assistant animal husbandman at the college. This mixture has given excellent results in the Middle West. It not only meets the protein requirement, but the alfalfa meal supplies a vitamin which is necessary for growth.

Encourage Drinking

Cows having access to water at will produced 5 per cent more than when watered once a day. This result was obtained from average cows on the federal dairy farm, Beltsville, Maryland. The higher the production, the greater the benefit of frequent watering.

Cows require 80 per cent more water in hot than in cold weather. The use of large quantities of hoists reduces the amount of water required. In cold weather cows prefer water that has been warmed and will drink more of it.

RADIO

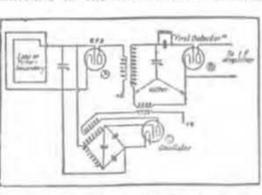
Device That Aids Superheterodynes

Corrects Weakness of Bringing in Signals on Two Places on Dial.

By F. I. ANDERSON in QST

The hook-up herewith presented provides an automatic frequency changer for superheterodynes; and at the same time does away with the troublesome double beat, that irritating weakness of the super in bringing in a signal at two points on the oscillating dial.

The oscillator in this case is fixed, and long-wave, its frequency being matched to the transformers chosen.



Capacity-Impedance Bridge is Shown in the Diagram.

Referring to the diagram, tube B is the "first detector"; and tube A is a tuned radio frequency stage preceding it. Tube C is the long wave oscillator tuned to the peak of the transformer used.

Connected in Parallel. Tubes A and C are connected in parallel across the loop, the tuned signal dividing between them. The fraction of the signal energy taken by A passes on to the first detector.

Simple Method of Mixing

The capacity-impedance bridge is shown in the diagram as a simple method of mixing the fixed component and the signal frequency without troublesome reaction between tubes A and C. A number of other ways suggest themselves—a separate local oscillator, or a common feedback. The quartz crystal suggests a fascinating field of experiment.

This automatic frequency changer may apply to any tuning circuit for long-wave transformer amplification. In achieving its automatic feature and doing away with the troublesome double beat of the super, it sacrifices the inherent selectivity of the tunable oscillator. The floating beat-note system is only as selective as its tuner.

For this reason one or more stages of tuned r.f. amplification may advantageously be used ahead of the "first detector."

Power Tubes, Not Power Producers

Power tubes are power handlers, not power producers, as many think. Of itself, a power tube will not produce more volume than a nonpower tube. Its design permits it to handle greater volume without distortion.

Most receiving sets are capable of delivering more volume to the last audio tube than can be handled without distortion by the usual types of amplifying tubes. This is where the power tube is needed—in the last audio stage only, where it can receive the volume developed in the earlier stages of the set and pass it on, amplified but undistorted, to the loud speaker.

The electrical characteristics of power tubes are quite different from those of the customary amplifying tubes. Power tubes consume more "B" battery current and they require greater "C" battery voltage.

The wrong "C" battery voltage puts the power tube of its ability to handle greater volume without distortion, resulting in operation little, if any, better than ordinary tubes. In addition, if the "C" battery voltage is too low, the "B" current consumed by the tube is multiplied many fold, which rapidly exhausts the "B" battery. Merely substituting a power tube for some other tube in the last audio stage of a receiver will not bring about any noticeable improvement in reception. Provision must be made in the wiring of the set to allow placing the current value of "C" battery voltage on the grid of the power tube.

The newest power tubes are CX-371 and CX-372. These tubes can be operated on "B" battery voltages of 90, 135 or 180 volts. The amount of undistorted power which these tubes can handle when working at 135 volts of "B" battery is, in most cases, more than can comfortably be used in the average home. It is only when unusual volume is desired, such as to enable a crowd to dance in a large hall, that the extreme voltage of 180 volts is required. For home use 135 volts of "B" battery is ample for the CX-371 power tubes.

With these tubes, when the "B" battery voltage is 135 volts, the "C" battery voltage should be 27 volts. A new 22½-volt "C" battery has been introduced by one of the largest manufacturers, and when connected in series with a 4½-volt "C" battery the combination will deliver the 27 volts required by these power tubes operating at 135 volts of "B" battery.

The extra power handled by power tubes is furnished by the "B" battery, and because of this they should never be operated from light duty "B" batteries. Use only the heavy duty size of good, reliable make, and be sure to use the correct "C" battery voltage.

Many Objects Are in Path of Radio Waves

Experiments undertaken by the bureau of standards to determine the effect of buildings, bridges, trees, etc., on radio waves have led to the conclusion that any one of these objects, when interposed between the transmitting and receiving stations may cause the wave to deviate from a straight course.

Such distortion of the wave may or may not affect the broadcast listener appreciably, but must be avoided as far as possible in the use of direction finders. The direction finder has become of importance in the guidance of ships at sea and constant vigilance

at radio frequency. The fraction of the signal energy taken by C is mixed with the long wave oscillations; therefore the output of C (being the sub-traction of the radio frequency and long wave frequencies) becomes automatically the desired heterodyne obtained by manual tuning in the conventional super. This is passed on to the first detector, B, by the usual pick-up.

As an example, let us say the long wave oscillator is set for 50 kilocycles. The tuned signal is say of 600 kilocycles. The fraction passing through A is handled at radio frequency. The fraction taken by C is heterodyned on the grid of this tube, and becomes 600-50, or 550 Kc. This output is passed on to the first detector, whose output becomes conventionally 600-550, or 50 kilocycles, the frequency desired for amplification via the intermediate frequency transformers.

The capacity-impedance bridge is shown in the diagram as a simple method of mixing the fixed component and the signal frequency without troublesome reaction between tubes A and C. A number of other ways suggest themselves—a separate local oscillator, or a common feedback. The quartz crystal suggests a fascinating field of experiment.

This automatic frequency changer may apply to any tuning circuit for long-wave transformer amplification. In achieving its automatic feature and doing away with the troublesome double beat of the super, it sacrifices the inherent selectivity of the tunable oscillator. The floating beat-note system is only as selective as its tuner.

For this reason one or more stages of tuned r.f. amplification may advantageously be used ahead of the "first detector."

has been practiced for the determination of errors which may develop from the position of objects surrounding these compass stations, rendering them undependable.

The effects of trees and other objects were disclosed by a portable direction finder which was placed in different positions around objects which were suspected of distorting effects. Signals from a transmitting set several miles away on a number of different wave lengths were used for calibration.

A tree in an open field produced no error in direction of the transmitter when the loop of the direction finder was placed either directly in front or behind it. To either side, the deviation was as much as five degrees.

A large screen of galvanized iron, 17 by 10 feet, caused but slight distortion, but evidenced a slight reradiation of waves. A water tower with power lines nearby produced distortion. Disturbances were that the power wires caused a large part of the distortion at longer wavelengths. A 75-foot overhead antenna did not produce any distortion, but when the receiver was placed close to the lead-in the deviation was marked.

The direction finder for these tests consisted of a loop four feet square with provision for swings of 400, 625 and 1,000 meters. The coils consisted of 5 turns, 1.5 centimeters apart; 8 turns, 3 centimeters apart and 21 turns, 3 centimeters apart. These coils were rotated on their axis by an observer, 8 feet away, by means of heavy cord. Visual observations were made in determining the direction of the transmitting station by means of a telescope mounted on the frame.

As a result of these observations it appears that there is induction or reradiation from most metallic objects so that a radio direction finder placed in the immediate vicinity gives an erroneous direction of the transmitting stations. It is always advisable to detune or open circuit any wires in the vicinity of the receiver to prevent absorption or reradiation of the waves, it being doubtful as to whether burying them is sufficient to avoid all these effects.

Hoosier Poodle Becomes Dyed-in-Wool Radio Fan

Mistaking the coughs of a prominent radio announcer suffering from a cold for the friendly barks of a canine relative, a little French poodle dog owned by Oliver Clark, Fort Wayne, Ind., became an inveterate radio fan when Clark placed the headphones of his set over the dog's ears. Now Clark cannot operate his radio set without allowing the dog to listen in occasionally.

Musical programs make the poodle howl with discomfort but whenever an announcement is made he pricks up his ears in hopes of hearing friendly barks again. A disappointed look comes into his eyes as he hears only the ordinary tones of the announcer's voice. There is no one to explain to him that the barking was only the barking cough of a temporary cold which the studio director was glad to get rid of.

Dogs have been known to mistake the screeching noises or "cat-calls" sometimes heard over the radio for the meowing of real cats. They will then chase all over the room in search of the offending pussy.

Enterprising radio stations of the future may introduce special programs entirely for the benefit of animal pets.