

Social and Personal

Rev. and Mrs. William G. McLean of St. John's Military academy, Delafield, Wis., announce the engagement of their daughter, Helen Louise, to Harry L. Bell, son of Mr. and Mrs. John S. Bell of this city. No date has been set for the wedding.

Mrs. William Thomas entertained the members of the Saturday evening five hundred club at her home on S. Green Bay road last Saturday.

Mrs. M. C. Conrad and family were the Sunday guests of their relatives Mr. and Mrs. Theodore Jurgens of Chicago.

Mr. and Mrs. Harry White of Ridge-wood drive announce the birth of a daughter born Friday, Feb. 24 in the Highland Park hospital.

Mr. and Mrs. Thomas Graham Troxel of Central avenue announce the birth of a son born Thursday, Feb. 16 in the Evanston hospital.

Father Mahoney of Watertown, Wis., delivered a most inspiring talk on Sunday evening in the Immaculate Conception church on Deerfield avenue. Father Mahoney will lecture every Sunday evening during Lent. Services beginning at eight o'clock.

We've often read of unusual hands in bridge in the Chicago papers but never before knew of a resident of our city holding any such hand until one evening last week when Miss Marguerite Sullivan was playing at a friends home and held thirteen diamonds.

Mr. and Mrs. Louis Conrad of Glen-coe and Mr. and Mrs. Joseph Conrad of Evanston were the Sunday guests of Mr. and Mrs. M. H. Conrad of 128 McGovern street.

Mr. and Mrs. Edmund H. Eitel returned on Wednesday from a ten days stay in Baltimore, Md.

The Misses Dorothy DeVoe and Florence Lewis of Waukegan were the Sunday guests of Mrs. Edward Meyers of S. First street.

Mrs. Florence Stevens spent Monday with her daughter, Mrs. Frank Watt, at Milwaukee.

Mrs. W. S. Forest returned this week from the Michael Reese hospital much improved.

Pauline Duffy entertained eight of her little friends on last Tuesday at her home on S. Green Bay road. The occasion was in celebration of her eighth birthday anniversary.

Mr. and Mrs. Charles Harbaugh of Linden avenue returned Sunday from a two weeks' stay in Biloxi, Miss.

Mrs. George Bliss of North Linden avenue returned Friday from a several weeks' trip in the east.

Mrs. John Wendenberg will entertain the Woman's Missionary society of First United Evangelical church at the home of her mother, Mrs. Henry Maechtle, Sr., of North Second street on Thursday, March 8, at two-thirty.

The bridge club met at the home of Dorothy Hammond on Monday afternoon. Helena Stockwell was given the first prize.

Mrs. Maurice Berkson of Vine avenue entertained the entire girl scout body at a tea at her home. Miss Thorsell of Chicago, who is the local the Baraca class at a party on Tuesday, will take charge.

The Philaethea class entertained day evening at the First United Evangelical church.

Mrs. George Lytton will leave Italy shortly for her home in Biloxi, Miss. Mrs. Lytton has been spending some time with her daughter, Mrs. Benello, who has been seriously ill, but who is slowly recuperating.

Miss Dorothy Reay of Hazel avenue entertained at luncheon last Wednesday for Mrs. John M. Evans, formerly Miss Elizabeth Doty.

Lieut. and Mrs. John M. Evans and daughter of Fort Sheridan left Sunday for the Philippines where they will make their future home.

The Misses Irvin and Shirley Reay who attend St. Catherine's school at Davenport, Iowa, spent the week end with their parents, Mr. and Mrs. William Reay, of Hazel avenue. They brought with them Miss Constance Meis of Kansas City.

The Young Women's club will hold their next meeting at Laird Community house, Chicago. All these girls who are going are asked to meet at the Northwestern station, Chicago, at six o'clock.

Mary Lee Reay entertained twenty of her school mates Saturday afternoon at her home on Hazel avenue in celebration of her ninth birthday.

Mr. David R. Thomas of Forest avenue left Monday evening on a business trip to New York.

Mrs. Norman Culver of Logan street entertained her aunt and uncle Mr. and Mrs. Kent, of New York, last Thursday.

The Schumann club will meet at the studio of Berenice Benson Bentley on Woodland road, Ravinia, on Saturday, March 3, at two o'clock. The subject will be "Edward Grieg."

Mr. and Mrs. Leslie Richard of Northbrook are the proud parents of a son born on Sunday, Feb. 26, at the Highland Park hospital. Mrs. Richard was formerly Miss Violet Andrews.

Mrs. W. Bietsch of 362 Moraine road gave a luncheon on Tuesday followed by a card party at her home in honor of Mrs. John C. MacDougall's birthday. The table and dining room decorations were in yellow and white denoting spring.

Mr. and Mrs. Anthony Borre of Sherman avenue, Northbrook, are receiving congratulations on the birth of a daughter Sunday, Feb. 26, at the Highland Park hospital.

Mr. and Mrs. John D. Pickett of North Linden avenue announce the

birth of a daughter on Wednesday, Feb. 22, at the Highland Park hospital.

Mrs. Roger S. Vail and Mrs. Thomas Creigh have issued invitations to the members of the Woman's Auxiliary of the Highland Park hospital to meet the new members of the Auxiliary on Tuesday, March 6, from three to six at the home of Mrs. Vail, 217 Laurel avenue.

Peter Guerrini and Adolph Micheli of Dabell, Ill., visited friends in Highwood over the week end.

Mrs. Joseph Baruffi of Oakridge avenue and Mrs. Caesar Ugolini of Everetts place returned on Thursday evening from a three months' trip abroad.

Mr. and Mrs. L. W. Miller (Frances Ludwig) of South Green Bay road celebrated their first wedding anniversary on Sunday, Feb. 25.

Mr. and Mrs. George Olmstead of Elcho, Wis., announce the marriage of their daughter, Nellie, to Robert G. Craig, Jr., son of Mr. and Mrs. Robert Craig of Highland Park. The young couple are now living Kenosha where Bob is with the American Brass Co.

Miss Harriet Vittum, head resident of Northwestern University settlement will speak on Monday, March 12, under the auspices of the DeForest school round table. The friends and mothers of children are cordially invited to be present at 3:30 o'clock.

Friends of Miss Mildred Moilan gave her a miscellaneous shower on Thursday afternoon at the residence of Mrs. Geraldine Hayes, 122 Pleasant street, Highwood. Bunco was played by thirty-five relatives and friends, followed by refreshments. The bride-to-be received many beautiful and useful gifts.

BIG ROAD BUILDING PROJECT FOR CUBA

HIGHWAY ACROSS ISLAND

Entire System When Completed to Cost Over \$75,000,000 and Will Give Access to All Parts

(By F. J. Byrne)

The Pan-American Congress now meeting at Havana has focused the attention of the world on the enterprising republic of Cuba. Not only has the Conference been visited by the President of the United States but it has been the mecca for some of the most distinguished statesmen in the new world. In addition to the interest of the questions discussed at the conference the visitors have been able to see the great progress made by Cuba in recent years. The present administration under General Machado is responsible for the great public work now under construction.

One of the most interesting and important projects now under way in the Western Hemisphere is the building of the great Cuban Central highway, which, when completed, will open up for natives and tourists alike a country which is remarkable for its picturesqueness and fertility. It will be the longest paved road ever put under contract at one time. It will connect all the principal cities of Cuba. It will be more than 700 miles long and will touch the sea at three points. It will run through all the provinces of Cuba from the town of Guane in Pinar del Rio at the extreme western point of the island to the city of Santiago in the Province of Oriente, which is nearly the eastern trip of Cuba.

American Engineers

This enormous work on the new Cuban highway is being constructed in its major part by American engineers. Warren Brothers Company of Boston are in charge of about seventy per cent of the work. Their part of the job lies in the provinces of Pinar del Rio, Havana, Camaguey and Oriente. The contract for the provinces of Santa Clara and Matanzas, representing about thirty per cent of the work, is in the hands of the Compania Contratistas Cubanos, S. A., which is an association of several of the important Cuban contracting firms.

The construction of this great highway, the larger of it being done by American engineers, is a matter of great interest to Americans. It will mean that the island of Cuba, which until now has been in its major part inaccessible to automobile touring, will offer to the citizens of the United States unexcelled opportunities of seeing personally a great island, which lies at their very doors and which maintains at its best the finest traditions of Spanish culture.

The building of a great central highway throughout the length of Cuba, which would make all the interior towns accessible and open up the country in a way impossible without good roads, has long been the dream of leading Cubans. It has remained, however, for President Machado, the most progressive Cuba ever had, to realize the dream. The Cuban highway is part of the great improvement program of the Machado administration. This program includes not only the great road, but a general plan of improvement which embraces water supply for various cities, sewerage, construction of schools and other public buildings and a comprehensive betterment of existing conditions in all parts of the republic.

Touring in Heart of Cuba

When Cuba has its new central highway completed, it is believed that

the great influx of tourists, which has been an outstanding feature of the winter season for several years back, will be greatly increased. In expectation of this, the government is even now arranging for auto ferries from Key West, which will connect with the Overseas Highway, now under construction in Florida, and make it possible for the American tourist to ferry across to Cuba in his own car and travel the length of the island. But far beyond the pleasure and interest it will bring to the visiting tourist is the actual day-to-day benefit which will accrue to the Cubans. It will make possible the better handling of the sugar crop and the other agricultural wealth of Cuba. It will probably be a great factor in making it possible to ship vegetables and fruits to the north in greater quantities than ever. It will also mean an increase in other agricultural development and especially in fomenting the growth of rural life. This will be especially interesting to the Americans who are already living in the island or who are planning to live there and are buying estates for development.

Costs Many Millions

The contracts for the construction of the Cuban highway were signed Feb. 19, 1927, and work was started in all six provinces within 30 days and it has been going a head steadily ever since.

The estimated cost of the entire road is \$75,870,000, which means a cost per mile of approximately \$107,465. It is to be 20.66 feet wide with 5.64 foot shoulders, except in some of the cities where a wider pavement is to be laid. About one-sixth of the entire distance is to be paved with granite blocks on a concrete base. The remainder of the road is to be paved with Warrenite bitulithic also on a concrete base. Bridges will be of standard steel and concrete construction.

BYRD FIRST CIRCLED WORLD AT AGE OF 12

Famous Aviator Started on Adventure Early and Alone, Too

Commander Richard Byrd, who made both the Polar and trans-Atlantic flights after a brilliant war record, first circled the world at the age of twelve and alone. This was made known for the first time in an interview in the American Magazine with Mrs. Byrd, mother of the aviator.

The future aviator surprised his mother one day by coming to her and interrupting her in her sewing, announcing: "I am going to the Philippines." He laid before her a letter from Judge Carsons, a friend of the family who held a government position in the islands. He had written asking Richard if he would like to visit him.

"But you can't go alone," his mother protested. The twelve-year-old adventurer smiled the same smile with which he afterward greeted warning of friends against seemingly impossible tasks. His mother, also, with the same spirit that made her a help instead of a hindrance to her sons in their later life, did not argue, but began preparations to help him on the long journey.

Mrs. Byrd took her son to Washington and put him on the Western express and wired a friend to meet him in San Francisco.

Months later letters began to arrive from the Philippines, bringing news of more dangers, a cholera epidemic outside Manila; typhoons and a native uprising. But Richard survived and returned home by way of the Suez Canal and was met at New York by dozens of reporters, suggestive of other triumphant homecomings of the future.

QUALITY OF WATER DEPENDS ON SOURCE

WHEN FROM DEEP WELLS

Kind of Rock Through Which It Flows Determines; Interesting Facts from Geological Survey

You can get water by drilling a well almost anywhere in Illinois, but the quantity and quality you get will depend on the kind of rock from which the water comes, according to geologists and chemists employed by the State to investigate the problems of water supplies.

Underground conditions are not the same everywhere, the geologists find, and this accounts for the differences in waters from wells in different places. The mineral matter that is dissolved by the water in seeping through the ground and through the underlying bed-rock, the chemists say, is what makes well water "hard" or gives it a red color or an undesirable taste.

The principal water-bearing strata in Illinois, according to the State Water Survey, are sandstones of the Cambrian system, often referred to as Potsdam sandstone. These are reached at depths of 500 to 2200 feet, depending on the locality.

In Northern Illinois

The St. Peter sandstone, which is above the Cambrian, is next in importance. This sandstone may be seen at the surface near Oregon on the Rock River, and near Ottawa along Fox and Illinois Rivers, and it is exposed or close to the surface in a few other small areas.

Near Chicago and south of Chicago, a considerable amount of water is secured from wells into the upper rock stratum, the Niagaran limestone.

Throughout the northern part of the State, considerable water of good quality is generally available in gravel deposits within a few hundred feet of the surface, and also in the underlying rock strata, especially the sandstones. Water from the Cambrian sandstones is more highly mineralized in the Chicago region than it is at Rockford and farther west.

In the central part of the State, east of Illinois River, the ground water supplies are principally from sand and gravel deposits. Water from underlying rock is in most places too highly mineralized for general use. Where the supply from sand and gravel is not sufficient, surface water supplies are developed.

In Southern Illinois

In the southern part of the State, little water is available from sand and gravel, and the waters from the underlying strata are highly mineralized.

At some places along the Mississippi River, especially between East St. Louis and Alton, at some places

along the Ohio River, and in a few other limited areas along other streams, considerable water of good quality is available from sand and gravel deposits in stream valleys.

Precise information on the quantity and mineral quality of waters available at various depths in any particular locality in Illinois, is furnished by the State Water Survey to all residents upon request.

NATIONAL GUARD UNIT DATES OF ENCAMPMENTS

To Be Held at Camp Grant July 28 to Aug. 11; Governor's Day, August 8

Annual encampment of the Illinois National Guard units will be held at Camp Grant, July 28 to August 11. "Governor's Day" will be observed on Aug. 8, on which occasion Governor Len Small will review the state troops.

Adjutant General Carlos E. Black in announcing the schedule for field training for all units of the state troops provides that camps will be established at Camp Grant (Rockford), Sparta, Wis., and at Grayling as was the case last year.

The necessity of spreading the training area of Illinois troops to other states is due to opposition which has delayed the establishment of an artillery range adjacent to Camp Grant.

Under the announcement of General Black the 58th Field Artillery brigade will train at Camp McCoy, Sparta, Wis., from June 30 to July 14 to 28, and the 33rd Division, less artillery and attached troops, with state staff and departments will train at Camp Grant, July 28 to Aug. 11.

PRESIDENTIAL PRIMARY ELECTIONS, 17 STATES

First Is to Be Held in New Hampshire, Tuesday, March 6th; Other Dates

Once again for the purpose of providing a record which can be tucked into the sweatband of the hat, or the inner fold of the pocketbook, we are printing a list of the Presidential primary dates in the 17 states that have them.

The first will be held in New Hampshire Tuesday, March 6. It is already generally understood that in this state an unpledged delegation favorable to Mr. Hoover will be elected. North Dakota is second. It will hold its primary March 20. Michigan starts off the April primaries with its balloting on the 2nd. Wisconsin voters will express their preference the 3rd; Illinois the 10th and Nebraska also on the 10th. Pennsylv-

ania votes April 24, and Massachusetts and Ohio also on that day.

On the first day of May, California voters will express their preference. Maryland will vote on the 7th, and Indiana on the 8th. New Jersey votes May 15, and Oregon May 18. South Dakota will go to the preference polls on the 21st, and West Virginia on the 29th. Florida will close the presidential primary season by voting June 5.

ILLINOIS MOTORISTS COVER MOST MILEAGE

Distance Driven by Them Exceeds That by Those of Any Other State in Union

Due to the Illinois hard roads motorists of the state during the past six months covered a mileage surpassed by no other state in the union. This is indicated by the fact an average of sixteen more gallons of gasoline were used per car than for the nation at large.

The average quantity of gasoline used in Illinois per car is 200 gallons. On this a tax of \$4 was paid. During the same period automobilists of all the states having a gasoline tax have used an average of 186 gallons of gasoline, on which they paid a tax of \$5.06 each. In addition to using sixteen gallons more gas per automobile during the six months, Illinois motorists have paid \$1.06 less than the average tax in the United States.

For the six months period the gasoline tax paid by the nation at large is \$101,250,841, a total of 3,971,423,311 gallons having been used. Of this amount approximately 286,900,000 gallons were used in motor vehicles touring the hard roads of Illinois, and a tax of approximately \$5,785,000 has been collected. Illinois with one-fourteenth of the automobiles in the nation has paid but one-seventeenth of the tax collected.

With a gas tax ranging from one to five cents per gallon in the different states, the average for the nation at large is 2.75 cents per gallon, compared to two cents per gallon under the Illinois law.

In addition to the gas tax in Illinois averaging below that of other states of the union, Illinois motorists have 6,675 miles of concrete highways, or two and one-half times that to be found in any other state in the nation.

Knocks So Good

Hard knocks are good for you unless you happen to be a prize fighter.

Birth of a City

Like Washington, Indianapolis was not born; it was legislated.—Woman's Home Companion.

Send your Lawn Mower to us NOW to be Sharpened and Repaired. We are equipped to handle any mower, from an "edges" to a horse or power-drawn size on our special machines made for this work. WORK CALLED FOR AND DELIVERED. Phone 3090. Lawn Mower Shop. 700 Central Avenue.

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