

UNDERSEA TACTICS

(The Scene in a Submarine When an Attack is Planned.)

WATCHING FOR THE SIGNAL

A Dramatic Moment After the Enemy is Located Until the Range is Found and the Red Lights Flash the Order to Fire the Deadly Torpedoes.

A submarine is a maze of machinery. Unlike any other ship, she has two sets of driving engines—one oil and the other electric—and she is built with the nicest regard for weight.

First let us say something about the engines. They are the most important part of the boat.

At first gasoline engines, like those used on automobiles and motorboats, were installed in submarines. The Germans had them in some of the submarines that they used in the beginning of the war. We, too, used them. But as the gasoline engine was made bigger to meet the demand for increased power and speed it literally broke down.

The Diesel engine had to be used. It was invented by Rudolf Diesel, a German engineer, while he was a student. In the Diesel engine air is sucked into the cylinder and subjected to such pressure by the piston that it becomes intensely hot. Then a little oil is squirted in. At once the oil vapor ignites and the mixture of oil vapor and highly compressed air expands with explosive suddenness. The Diesel is the most efficient type of engine ever invented, utilizing as it does about 30 per cent of the energy in the fuel as contrasted with only 13 per cent in the best steam engine. But it also uses air. In other words, it breathes. When a submarine is under water the crew must keep alive by breathing what air they can obtain from tanks. They have enough for not more than thirty-six hours.

So it becomes necessary to equip a submarine with electric motors fed by storage batteries. As soon as a submarine dives the breathing Diesel engine is cut out and the electric motor switched in.

Like the policeman in Gilbert's song, the life of a submarine sailor is not a happy one. The quarters are necessarily so cramped that it is difficult to provide ordinary ship comforts. The officers have cots and the crew hammocks for sleeping. In guard new boats bunks are provided, so that fresh meat and vegetables can be served. In addition, there is a dry food supply sufficient for five days. At sea the crew is put on a daily fresh water allowance. To bathe the men must jump over the side.

Even when the boat is running on the surface the ventilation is poor. The proprietor of a New York sweat shop who did not provide his workmen with any more air than the men in a submarine breathe would be arrested. When the boat is submerged the nauseating odor, the battery fumes and the vitiated air exhaled from a score of lungs make one wonder why every one is not sick. As a matter of fact, sea sickness produced by these conditions is common enough.

What is the scene within a submarine when an attack is made? A German officer of the U-23 gave this account of an attack on an unnamed British warship.

"The boat is cleared for action. The flagpole is taken down. Part of the bridge is folded up and jashed. The periscope is elevated. The hatch through the combined bridge and conning tower is tightly closed. The motors cease their endless song. From now on electricity will drive us until we rise to the surface again.

"A young lieutenant is posted at the periscope and looks for the enemy. The sailors take their position near the torpedoes. The interior of the boat is lighted with two small electric bulbs. They do not clear the gloom. Everywhere is the smell of stale oil. It is impossible to speak with the din of the machinery and of the rushing water.

"From time to time the officer in command of the torpedoes looks at his watch, which he wears on his wrist, or at the compass. Intently the men all watch a signal board in front of them on the side of the boat. Suddenly we start to forget the heat, the foul air, the discomfort—triumphant lightning letters the word 'Attention' flashes up on the board. The commanding officer grasps the lever which will release the first torpedo. The men prepare to launch the second as soon as the first is discharged. Half a second later and the red letters on the board say 'Fire.' The lever is jerked, and the torpedo leaps out. There is a short metallic click and the noise of the water rushing into the empty tube. The second torpedo is at once inserted. A few seconds later and the interior of the submarine looks as before the attack began.

"But what of the first torpedo? We hear only the noise of the motors. We wait. Nothing happens. Then suddenly we are all thrown in a heap by the shaking of the boat. Then the boat rolls as before. The regular purring of the motors is heard. We are on our way home. The attack succeeded." Popular Science Monthly.

His Worst Fears. Flubdub—Why do you watch your Gotrox so closely? Are you afraid it is going to die with your daughter? Poore—No, I'm afraid the isn't. Life.

Scatter sunshine, make days brighter and huplens lighter.

St. Francis Xavier.

The masses on Sunday will be at 7, 8, 9:15 and high mass at 10:30 o'clock.

The marriage of Miss Irene J. Hanis, daughter of Mr. and Mrs. George Hanis, to Anthony W. Kalmbacher, took place on Tuesday morning, May 29th. The ceremony was performed by Rev. M. Kriachel. The bride was attended by her sister, Mildred Hanis, and the groom by his nephew, John Reidartz. The ushers were Norbert Reinartz and George Kalmbacher, nephews of the groom.

The Children of Mary held a social on Monday evening.

Members of the Young Ladies' Sodality met at a social on Wednesday evening.

The funeral of Mathias A. Schwind, private, Co. H. Third Infantry, N. G., N. Y., son of Charles and Catherine Schwind, was held from the home of his parents, 333 Sixth street, at 8:30 o'clock and at 9 o'clock from the church on Saturday morning, June 2nd.

Full military honors were accorded the dead soldier. A company from the Third Regiment escorted the body from the home to the church, and from there to Holy Sepulchre Cemetery, where a firing squad fired the grave salute, and the company bugler sounded "Taps". The casket was draped with the American flag.

Sunday is communion day for the Young Ladies' Sodality, the Children of Mary and the women and children of the parish.

Regular monthly extra collection will be taken up at all masses Sunday.

OUR LADY OF PERPETUAL HELP.

The requiem masses for this week were for: Susanna Schenk, Charles Koerberlein and the Poor Souls.

Mr. John V. Blank and Miss Rose Gross were united in marriage, Tuesday morning, June 5.

Mr. Frederick Reiningger and Miss Margaret Schoet were married Wednesday, June 6th.

Mr. and Mrs. William Kuhn of VanStallen St., celebrated the twenty-fifth anniversary of their wedding Thursday, June 7th. A solemn high mass was celebrated.

The monthly meeting of the Women's Sodality will take place Sunday afternoon.

Holy Redeemer.

A high mass of requiem was offered this week for Mrs. Elizabeth Kiehammer and Mr. Hoff. Wednesday afternoon there was a Pedro party in the hall.

Wednesday evening the Sacred Heart Society held meeting.

Thursday the feast of Corpus Christi was celebrated.

The bans of matrimony were announced last Sunday between Mr. Eirstuer and Miss Florence Rosenbauer; Mr. Herbert Bohrer and Miss Irene Heier; Mr. Frank Trivault and Miss Lucy Grimm; Philip Knipper Jr., and Julia A. Walters.

Tuesday evening, June 26th, the closing exercises of our school will be held in the hall.

Mrs. Frank Florack and her son Raymond have returned home from a week's vacation.

Blessed Sacrament.

The masses at this church on Sunday will be at 5:45, 7:00, 8:15, 9:30 and 10:45 A. M. (High Mass at 10:45 o'clock.)

On Wednesday morning at 9 o'clock the funeral of Miss Julia Leary was held. She was an old and respected member of this parish.

Requiem masses were read this week for the repose of the souls of Mrs. Catherine Stone, Mrs. Anna Sullivan, Mrs. Elizabeth Cook, Mrs. Joseph E. O'Neil and the George Hall family.

The reunion of the former graduates of the school which was held last Monday evening, was very successful. The address of welcome was given by Miss Clara Easer. Frank Keogh responded for the class of 1917. Miss Burns, Walter Fox, Helen LeFrois and Herbert Haley furnished the entertainment for the evening.

A chapter of the Red Cross has been installed in this parish and on the mornings and afternoons of each Friday an instructor will be present to teach the ladies the art of making the various bandages.

Rev. Francis Luddy, who is to be raised to the priesthood on Saturday, will celebrate his first

high mass at this church at 10:45 o'clock Sunday morning.

Madame Mary E. Duffy.

Madame Mary E. Duffy, a sister of the late Walter B. Duffy of Rochester, died on last Saturday morning in Sacred Heart Convent, Sault au Recollet, Province of Quebec, Canada. The funeral took place at Sault au Recollet on Monday. Madame Duffy leaves two sisters, Madame Josie Duffy of the Sacred Heart Convent and Mrs. Julia Donovan of Lake Ave., Rochester. Madame Mary Duffy was a native of Canada and had been active in convent work at Sault au Recollet for the greater part of her life.

CATHOLIC SISTER BURIED

The funeral of Sister M. De Chantal Feely, who died at Nazareth Normal school on Sunday, was held from the school Tuesday morning.

Sister De Chantal was a sister of the late D. C. Feely, a prominent lawyer who was the father of Judge Joseph M. Feely, of the Municipal Court. She leaves a sister, Mrs. Elizabeth F. O'Brien of Rochester, and besides Judge Feely, Edward M. Feely and Jay C. O'Brien, of this city, and Maurice F. O'Brien, of Buffalo, three nieces, Sister Jane Frances of Geneva, and Misses Clara and Marguerite Feely, of this city.

At the solemn requiem mass the celebrant was Rev. Edward Simpson, of the Cathedral, with Rev. John J. Bresnahan, of St. Bridget's, deacon; and Rev. Alexander McCabe of Charlotte, sub-deacon. Many priests were in the sanctuary.

Hibernians To Raise

\$1,000,000 For Relief.

At a meeting of the Ancient Order of Hibernians, through their County Board, gave renewed evidence of their loyalty in a message to the President of the United States, pleading loyalty, and voted to take up their share of the work of raising the \$1,000,000 Patriotic Fund asked for by their national officers to care for the men of the order who are serving or will serve in the armies or navy, and their families.

The raising of the \$1,000,000 fund was decided upon by the national officers of the organization at a meeting held in Washington on May 2nd and 3rd.

It is proposed to raise the fund by means of bazaars, meetings, lectures, excursions and amusements that will appeal to the people, and the Monroe County Hibernians will inaugurate their campaign on July 4th with a big field day.

Cemetery Is Dedicated

Bishop Hickey in Charge of Services—Many in Attendance.

Shortsville, June 4.—It is estimated that about a thousand people from Shortsville, Manchester and vicinity attended the consecration services held in the new Catholic cemetery, just west of this village last Sunday afternoon.

Bishop Hickey was in charge of the consecration ceremonies and he was assisted by Monsignor A. B. Meehan, of Rochester; Rev. James T. Dougherty, pastor of St. Mary's Church, Canandaigua; Rev. Michael Grodan, assistant pastor of St. Mary's; Rev. Wm. Ryan, of Clifton Springs, assistant pastor of St. Dominic's Church, Shortsville, and Arthur Doody and Martin Burke, altar boys of St. Dominic's.

FATHER KOENIG'S NERVINE

Not Hesitating to Recommend It. My 11th St. Loganport, Ind., May, 1915. Having suffered 3 years from nervousness at last found relief in Father Koenig's Nervine. It helped to disperse the blues, I dreaded to do my daily duties, could not stand any exercise and would not be at home for my friends, did not want to converse with anybody, but now I regained my once so remarkable disposition. I have therefore not hesitated to recommend the Nervine to anyone suffering from such nervous ailment. M. G. Newman. Mrs. P. Holland, of Fort Pierre, S. Dak., whose son was afflicted with epileptic spells since about 10 months, tried several doctors without any improvement—he then tried Pastor Koenig's Nervine and has not had any more spells since he took 3 bottles, therefore cannot praise it enough.

A Valuable Book on Nervous Diseases and a Sample Bottle to any address. Four patients also get the medicine free. Prepared by Rev. FATHER KOENIG, of Fort Wayne, Ind., since 1876, and now by the KOENIG MED. CO., Chicago, Ill. Sold by Druggists at \$1 per bottle, 6 for \$5.

AVON THEATRE. Sensation of the Motion Picture Industry. Announces the Booking of Three Smashing Feature Photoplays. For an early showing of one week each. This will be the first and only showing in Rochester and will be offered at our usual prices. 10c, 15c and 25c Matinees Every Day, 10c. 7 DAYS SUNDAY JUNE 10. WEEK STARTING SUNDAY JUNE 17. STARTING SUNDAY JUNE 24 One Week Only. The Only Photoplay Authored by the U. S. Government. The Womanhood. The Glory of a Nation. Alice Joyce and Harry Morey. The Barrier. A Powerful Photo-Drama of the Last Frontier by Rex Beach. His Strongest and Most Widely Read Story. The Three Biggest Photoplays Ever Produced.

Stock Quotations. The following quotations are furnished by Hibbard, Kalbfleisch & Palmer. June 7, 1917. Stocks Open High Low Close. Am. Loco 7 1/2 7 5/8 7 1/4 7 5/8. Ana Smelters 105 112 105 110. Anaconda Cop. 84 86 82 85 1/2. Atchison 102 102 101 102. B. & O. 72 72 70 71 1/2. C. & O. 61 61 60 61 1/2. Crucible Steel 80 84 81 81 1/2. Erie R. R. 25 25 24 25 1/2. Inspiration Cop. 82 85 82 84 1/2. Lehigh Valley 63 64 62 64 1/2. Maxwell Motors 50 50 49 50. Mexican Petrol. 95 101 94 101 1/2. N. Y. C. 92 92 90 90 1/2. Northern Pac. 103 103 102 103 1/2. New Haven 34 35 33 35 1/2. Penn. R. R. 53 53 53 53 1/2. Reading R. R. 94 96 91 93 1/2. Republic Steel 91 94 89 92 1/2. Southern Pacific 93 94 92 93 1/2. St. Paul 75 76 71 73 1/2. Union Pacific 135 137 133 136 1/2. U. S. Rubber 67 64 57 61. U. S. Steel 130 134 126 131. U. S. Steel, Pref. 119 119 117 117 1/2. Utah Copper 114 116 113 114 1/2.

Chicago Provision Market. Hibbard, Kalbfleisch & Palmer, Brokers 100 Powers Building. Wheat July 195 227 193 222 1/2. Sept. 181 201 184 196. Corn July 139 157 136 153 1/2. Sept. 125 146 124 142 1/2. Oats July 57 61 56 59 1/2. Sept. 50 52 49 51 1/2. Pork July 370 383 375 375. Sept. 370 383 375 375. Lard July 2147 2170 2117 2132. Sept. 2176 2187 2130 2145. Hams July 2065 2105 2065 2065. Sept. 2092 2115 2070 2080.

INCORPORATED 1850. Monroe County Savings Bank. 35 State Street, Rochester, N. Y. RESOURCES \$28,000,000. Deposits \$1 to \$3,000. Interest allowed from the first three business days of any month. Dividend declared December 1st, 1916, for six months at the rate of 4 per cent per annum. JAMES E. BOOTH, Pres. WILLIAM CARSON, Sec'y & Treas. BANKING HOURS: Daily from 9 A. M. to 3 P. M. Saturdays from 9 A. M. to 12 M. Saturday evenings from 7 P. M. to 9 P. M. for deposits only.

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German American Lumber Co. GET-OUR PRICES. 142 Portland-Avenue. 888 Clinton-Avenue-S. Both Phones, Home 1365, Bell 1246.

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John H. McAnarney. General Insurance Fidelity Bonds. 101-102 Ellwanger & Barry Bldg. Roch. Phone 2172. Bell Phone 3682 Main.

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