BOES AND ENAMED TO FIND FOOD'S LOCATION. for a long time maturalists have been trying to solve the problem is to how the honey bee reveals the Location of his "And" to his compades. At last science has found out the methods whereby the been after securing nector from a flower, can make certain that softers of the awarm will some what some flower without erring in their path to the treaspre strong. C. K. Ogden, in Relepace Notes of the Forum, explains the matter thus.

When been are about to evalue they produce a humining moine even before the hive is Note. Let it is known that the sense of bearing in bees is for from scute. It is difficult to make them respond to even a foud noise. It was observed that at the same time as the bees made the humming noise apoken of they emitted a peculfar odor. This smell is produced by certain minute glands alinated on the back of the abdomess of the bee. The ham is due to a benting of the wings and It oppoors that this wing movement is really reade with the conject of blowing the scent away from the body of the bec. The odor, then, it the real mone of communication. It is multied from the sinn ds on the Back, and walted away from the mody of the bee by movements will the wings.

When the first bee finds the Took with at once brings, his scent miand into action, emitting the edor. This he continues to do on his figure lique, which inside The hive and on his filght back strain to the food; Beaving a with At the this trail which is Editored by the workers on their way to the source of the Tood. We see now why they ly In a merhigan line, and why, when oc CHAlomally they mally forth be-Tore the messenger, newertheres. zhiy me directly to the food.

How Fast Wind Blows

Franches rocking and swinging and cently the sea was discovered to be a populars bending indicate a wind of verttable mine of fluorin, and a float In miles an hour; leaves torn ing chemical plant was placed abourd from freet twenty-five miles; and a ship to extract this valuable chem when light branches are broken, a leal from the seawater. Doctor Zies temper of hirty-five miles. A violent declared that so much fluorin is sent tempest of fifty-five miles breaks down to the sea that some unknown strong branches while a hurricane or chemical mechanism must be at work formatio of about eighty miles an hour to precipitate most of it to the subclause toute route.

How to Test Porcelain

Conflectors of old childs will be interested to know that the authenticity of certain types of old porcelain can mow be distermined by chemical tests, Under the direction of Dr. Alexander Books tower have been worked out in the Laboratory of the British measures sthat have helped classify meveral cloudettil places in the mentiones col-Sections without distinution the speciwhener Old patent acts were committed to determine the chemical composiston of Old Bow and Chelsen china. and tests were then resorted to, to detect the presence of various phoswhate commonents known to have been mased in the composition.

How Depth Is Measured

There are two methods of measuring the depth of the occase. The old coray still in use, is to let down a wire which is fantoned a heavy weight. The depth can be ascertained by measwrites the wire the new method of two pounds of potash in five galan instrument co. d a sonic lone of water, repeating the operation depth finder, invented by Dr. H. C. soveral times if necessary. When The Navy department in June, 1922 York Telegram. The principle is that a sound impulse emamating from a point near the surdraw of a body of water will be restopped basels to that point by any submerged gurince within its range of anoma putant

Llow Long to Brow Tea A the cher things, the government has determined full the proper tenesh of time to brew tee and why. On an average, a three-minute innullen in boiling water has been found to produce the best results. This is secured in that length of time most est the the the desirable element ten then in the skin or outer part of Mandama is extracted, and very litthe and the tonnin-on undestrable ele ment found in the laner times of the Lost -- Is drawn out by the brew,

How Island Cat Name

Specials: name of the island familia to the former of the frequent herb. The respectant herb. The the story that some goats mentiful from the Sandwick beligishm with on

Modern Smoker Constitutes Element of Danger

The man with the pipe was the riginal smoker. In so for as forest lices were concerned, to was almost harmless. Originally he was of our great-grandfather's time—a real woods man-and too wise to set the forest matches, cigars and cigarettes. Our great-grandfather lighted his pipe with on ember from the campile and threw the ember back into the fire. He carried a fiint and steel and used a tinder box or produced fire by friction. He was an economist with fire because fre was not easy to get. When the flint spark had served its purpose it went out. The fire from the fliat could not be thrown into the forest, neither could the fire from friction be cast aside and become an element of forest destruction like the modern firebrand. the match. In those days when they started a fire they had to act deftiy and quickly to get the fire going. Today every man, woman and child in the United States uses an average of seven matches a day. When the ploneer built a complire he took care of 11 and very seldom through his cirelessuess was a forest fire set. The difference between then und

now is marked. Ninety per cent of forest fires are set by human beings and most of them are traced to smok ers. It is the rule rather than the exception to throw burning eigarettes. eigns stube and lighted matches into the criticism for and against it, and the forest or inflammable brush or grass adjacent to the forest. These modern conveniences and new sources of personal enjoyment (matches, cigarottes and cigars) bave brought great personal responsibility. This responibility to either to use the property and pleasure of others or to abandon their use when in or near the forest -Exchange.

Why the Sea Is Salt

Explained by Science The old question of who put the salt in the sea has been referred to Vulcan, mythological patron of volcanoes, by Dr. B. G. Zies of the geophysical laboratory of the Carnegie institution of Washington, eays Cur rent Science. We read:

"He attributed some of the chlorin contient of the oceans to the outpourings of hydrochloric acid games from Is Easy to Ascertain The Thomsand Smokes in Alaska. The hims rolle areas, such as the Valley of The leaves and branches of trees hydrochloric acid gases change to sait minus a seed ladication of how fast the in contact with sodium mineral con-Limite whis agligated indicate a with sods or baking powder. These his increment to fifteen milet. due fluorin content of the sea. Remarine rock floor."

> Why New Pearls Are Best The life of a pearl is roughly a thousand years. After several cenfuries the outer skin begins to wrinkle like the skin on the hand of an elderly perion, and the pearl has to be peeled to uncover the new skin beneath. It would be a better investment, therefore; to buy modern pearls than pearls worn by Queen Elizabeth, although even her gems would still have quite

long lease of life. Because of the crase for evening bigs covered with reed poorls the tiny gems are growing in value. Thou sands often go to the making of one bag, which may cost anything from 1000 upwards, or much more if the draw cords end in sapphire, ruby or emerald drops, as they often do .-Kanses City Star.

How to Remove Whitewash How can whitewash he removed from a wall? Soften the whitewash from a wall? Soften the whitewash Episcopal Prelate

How Storm Travels It it is a general storm, the kind that brings rain or mow for several hours, it is practically certain to so several hundred miles to the east or southeast by the next day. This is because that is the direction of the general air movement, as determined by the rotation of the earth.

Why We Talk of Jinx The word "linx" was derived from ir spirit which some superstitious neo ple believe to be continually active seeking to circumvent humans in their undertakings and bringing follure: mistortune and bad lugic.

Why Ponies Are Small ncestors large European horses, but judice are not so pronounced." lack of food made small also favorable to existence, hence the species gradually trecame smaller and smaller until the modern types were developed.

Why Army Privates Civilians not in public office or em ployment were in olden times private 113 N. Water St. Phone 1567 peleomi," and the term was extended to softeliare without rank.

Catholic Summer School News

By: Francis P. Kilcorne afire. He was without friction a busy period. In addition to the Francis Luddy. The attar was decorthe university extension courses, the palms.

cottage receptions—there were in addition the annual mid-summer of honor. Miss Helen Ester Ryan was Sunday masses, in summer months: carnival, and two subscription cardier sister's bridesmaid. ture in the United States". During and will be at home, after Septemhis series he covered the legacy of ber 1st, at 562 Westchester road. the pioneers, contributions of láter Catholic colonists, the work of converts, our culture of the nineteenth Francis P. Duffy, D. D., president of Walter Forey officiating. the Summer School, lectured on Miss Sally Pimoteri was bridges-"The New Ireland" in the evening maid and Peter Glanforti was best course. He first spoke of the Home man. tionary, its causes and effects, and side in Rochester. its meaning, of the Treaty of London,

> be given. On Sunday evening a soundid officiating.
> "Fordham--C. S. S. A." Night will The bridesmaids were Miss Mar-Duane, S. J. Ph. D., will visit the bridegroom. classes and the Summer School. Rev. Harold Le Boo was best man, and Joseph A Keating, S. J. of Fordham, liam Wahl and Arthur Senger. dents are enrolled from the following through the Thousand Islands and ilocalities: Plattsburg, Brooklyn, Belle Harbor, Peru, New will be at home 283 Lake View park. York, Queens Village Yonkers, Neponsit, Whitestone, N. Y. state, bury Stamford, and New Haven, daughter of John W. Leyden of

was the celebrant of the high mass Father Arthur Hughes officiated. what is blowing. When leaves are tent of the rocks and water, just as relief there is no appreciable wind, it the seld contents of the stomach pro-God, they are the sons of God. "Mass Walter Suter and the ushers were light brown of about five miles minor volcances and other cruptions and deceased members of the Mr. and Mrs. Suter left on a modular broadly of about less miles, and the usbers were was said on Monday for the living Ray Ryan and Leo Brennan and deceased members of the Mr. and Mrs. Suter left on a modular broadly of about less miles, and the usbers were was said on Monday for the living Ray Ryan and Leo Brennan and deceased members of the Mr. and Mrs. Suter left on a modular ry Association, and tor trip for the New England coast when beaches had a little the wind the acid that will etch glass. To it is on Friday for living and deceased and Montreal, after which they will members of the Cliff Haven Sanc be at home at 120 Dove Street. mary Gralld

Subscription card parties were neld on Monday at the Champlain Club and on Thursday at the Philawas held at the New York South on mass was offered for the late Mrs.

Rev. Daniel L. McGinley of Ardmore, Pa., a Trustee, was chairman Boy Leadership work of the K. of C. which he is directing here. Prof. Gavigan of New Rochelle spoke on the import and meaning of his séries of lectures, and M. J. Jordan of Bosto-n, in the language of the layman, gave a most interesting talk on

Haven, a good percentage attired in July 26, the feast day of St. Anne.

Deplores Religious Greek Diocese Dies Issue in Politics

(By N. C. W. C. News Service). ing to bring religion into politics, the a long illness, were held at St and 9 o'clock: Rt. Rev. Dr. Frederick Bingham Michael's church here today. Howden. Episcopal Missiomary Bishop of New Mexico, in an interview educated in Lemburg and Vienna. He Sunday masses: 6:30, 8:30, 10:30 following a sermon delivered yester—was ordained to the priesthood in o'clock. Hulydays, 6, 7, 8, 9 o'clock. day at the Cathedral of St. John the Lemburg in 1898, and came to the CHURCH OF THE ANNUNCIATION Divine, here, said "they are lower-United States 10 years later. He had Norton and North Goodman streets mythology. It refers to an ovil genius ling the Church's ideals and dignity been pastor of churches in New Rev. George J. Weinmann, Rector

After declaring that religious pre-judice had been fomented in the C.D. of A. Planning South, Bishop Howden said: "However. I am happy to say that in my indian and Shetland ponies had as lown State of New Mexico such pre-

> Send Your PRINTING THE CATHOLIC JOURNAL

Weddings

Roth-Ryan The marriage of Miss Kathryn Loretta Ryan and Raymond Michael Cliff Haven, N. Y., July 27 -With Roth, son of Nicholas Roth, of Lux the registration for the fourth week street, took place Saturday morning. much farger than that for the cor-July 7th, at 10 o'clock, at St. An-responding period last year, the drew's Church. Rev. Eckel performed Catholic Summer School experienced the ceremony, assisted by Rev. regular morning and evening lectures ated with gold vases, roses and 9:30 High Mass.

the Alumnae Auxiliary Association bride was best man, and the ushers Winter months: 6:45, 7:45, 9:15, St. Paul's Church, July 28. Walter V. Gavigan, M. A., of the were Irving Meng and Adelbert Line. 10:30 c/clock. Holydays: 6, 7, 8:30. Artolano—Jacino Artolano died College of New Rochelle, gave five Mr. and Mrs. Roth left for New 3:30 o'clock, morning lectures on "Catholic Cul-York city and Washington, D. C., ST. BRI

Salter-Biermann The marriage of Miss Florence century, and finally Catholic culture Biermann, daughter of Mrs. E. B. and the modern American mind. The Roser, of New Orienns, La., to Aninfluence of Spanish, French, Eng-thony J. Salter, son of Mr. and Mrs. very favorable consideration. Rev. Lady of Mt. Carmel Church, the Rev. Mass.

and influence; then of the Revolu-Island, Mr. and Mrs. Salter will re-9:30 o'clock.

Knapp-Wahl

its effect on Irish history; and, Miss Mildred Wahl, daughter of. Sellinger street, was married to 6:45, 8, and 9 o'clock. School university extension courses and Mrs. L. T. Knapp, of Lake View will conclude next week, when the park, Thursday, June 28th, at St. final examinations and ratings will Michael's Church, Rev. George Rein-

be held in the auditorium, when the garet Hermle, sister of the bride, and President of Fordham, Rev. Wm. J. Miss Dorothy Knapp, sister of the

Francis O'Loughlin, S. J. and Rev. the ushers were Andrew Wahl, Wil-11 o'clock. were week end visitors here. Stu- Mr. and Mrs. Knapp left for a trip Redford, the Adirondacks after which they

Suter-Leyden Philadelphia, Passaic, N. J. Dan- Miss Margaret Mary Leyden, Conn., Washington, D. C., Wakefield, Dove street, was married to Frank Winchendon, Waltham, and Law X. Suter Jr., son of Frank X. Suter rence, Mass., and Brockville, Ontario. of Almeda street, on July 13 at the Rev. John Mulcahy of New York Holy Rossary Church. The Rev.

SACRED HEART CHURCH

On Thursday morning, July 26th, delphia Cottage The usual reception the Feast of St. Anne, solemn high Anna Drumm, at the Church of the Sacred Heart at 7 o'clock .

of the Family Cathering on Sunday Novena ToSt. Anne In San Francisco Draws Thousands

(By N. C. W. C. News Service) San Francisco, July 23.-Many Astronomy. Mr. Joseph Fortune Catholic pilgrims from all parts of entertained with a monologue, and California and the West came to San Messrs. Joseph Delaney and James Francisco to attend the annual Dingivan were well applauded for Novens to St. Anne at the Shrine of their mandolin and plano duets. The St. Anne of the Sunset. It is estimatfeature of the program was the series ed that 100,000 persons will have atof plano selections by Miss Agnes tended the devotions during the nine Clune Quinlan, musical director here. days, teginning July 18. The Most The annual mid-summer carnival Rev. Edward J. Hanna, Archbishop neld on Wednesday evening brought of San Francisco, is to celebrate Mass out the entire population of Cliff and bestow, the Papal Blessing on costumes of every description. Miss Redemptorist Fathers are conduct-Mary C. Clare was the chairman of ing the spiritual exercises of the the general committee, and the Novena Father W. G. O'Mahoney is Alumnae Auxillary Association spon-pastor of St. Anne's church at which and 10:30 O'clock. the Novena is being held.

Vicar of Ukrainian

(By N. C. W. C. News Service) Hartford, Conn., July 23.—Funer-Holydays, 6 and 8 o'clock. services for the Very Rev. Stephen ST. FRANCIS XAVIER CHURCH Washchyshyn, Vicar General of the New York, July 23.—Deploring Ukrainian Greek Catholic Diocese. New York, July 23.—Deploring who died at his summer home in Sunday masses: 6:30, 7:30, 9 and the action of those who are attempt—Chester, Connecticut, Saturday, after 10:30 o clock. Holydays, 5:30, 6:45

Father Washchyshyn was born in p of New Mexico, in an interview Calleis on January 5, 1876, and was in going in for leadership in partisan Britain and Ansonia, Connecticut, and in Chester, Pennsylvania

1929 Convention

(By N. C. W. C. News Service) Oxiveston, Texas, July 23.-Mrs. ina Poth of Youkum, Texas state egezt of the Catholic Daughters of America, has been named general 9:30, and 11 o'clock. mittee for the 1929 cleanial supreme international convention of the order vention committee headquarters.

Masses in Rochester Churches

ST. PATRICK'S CATHEDRAL Platt and Frank streets. Rev. Charles F. Shay, Rector. Sunday masses: 6, 7:30, 8:30 :30, and 11 High Mass, Holydays, 5:30, 6:15, 7:00, 7:45, 8:30 and

Sunday masses, in summer months: parties, all three events sponsored by Lawrence Snyder, cousin of the 6:30. 7:30, 9:15, 10:30 o'clock died suddenly July 25. Funeral from

ST. BRIDGET'S CHURCH Gorham Street Rev. John J. Bresnihan, Rector

HOLY FAMILY CHURCH Jay and Ames streets.

Rev. Joseph H. Gefell, Rector.

Main Street West Rev. J. Emil Gefell, Rector Rule movement, tracing its history After a trip to Bellaire Park, Long 10:15 O'clock. Holydays, 6, 7, 8:15, 28th.

> ST. MONICA'S CHURCH Genesee and Monica streets Rev. John P. Brophy, Rector

Oxford street 1 o'clock.

IMMACULATE CONCEPTION Plymouth Avenue Rev. Joseph S. Cameron, Rector

ST. JOSEPH'S CHURCH Franklin Street Rev. John B. Lleberth, Rector Sunday masses: 5:30, 6:30, 7::30, July 26th. and 10:30 o'clock. Sunday evenings, 7:30 o'clock, Vespers, sermon aged 72 years, died July 21, at the and benediction.

SACRED HEART CHURCH Flower City Park Rev. George V. Burns, Rector Sunday masses: 6, 7, 8, 9, 10 and 1 o'clock.

ST. ANDREW'S CHURCH. Portland Avenue Rev. George W. Eckl, Rector Sunday masses: 7:00, 8.30, 9:30, 10.45, Holydays, 5.30, 6.30, 7.30,

HOLY ROSARY CHURCH Lexington Avenue Rev. A. A. Hughes, Rector Sunday masses: 6.30, 8, 9, 10 and 11 o cl**oc**k. CORPUS CHRISTI CHURCH

Main Street East Rt. Rev. J. F. O'Horn, V. G. Rector Sunday masses. 6, 7, 8, 9, 10 and 1 o'clock

HOLY REDEEMER CHURCH Hudson and Clifford Avenues Rev. F. William Stauder, Rector Sunday masses: 6, 8:15, 9:30 and 0:45 o'clock

ST. MARYS CHURCH South Street, near Court Street Sunda : masses: 6, 7, 8:30, 9:30, High Mass 11.00 o'clock.

ST. THOMAS CHURCH Stop 20, St. Paul Boulevard Rev. John F. Muckle, Rector Sunday masses: 7:30, 9:00 and 0:30 ofclock

ST. BONIFACE CHURCH Gregory Street Rev. John F. Boppel, Rector Sunday masses: 6, 7:30, 9, 10:30 Holydays, 5:30, 7:00, 8:30, 10:00. ST. AMBROSE'S CHURCH Clifford Avenue and Culver Road

Rev. Walter B. McCarthy, Rector Sunday masses: 7:30, 8:30, 9:30, and 10:30 o'clock. OUR LADY OF PERPETUAL HELI

1.189 Joseph Avenue Lev. John P. Shellhorn, Rector Sunday masses: 6:30, 7:30, 9:15, HOLY CROSS CHURCH

Lake Avenue Boulevard Rev. Alexander J. McCabe, Rector Sunday masses: 7:30, 9, 10:30 clock. Week days 7 and 8 o'clock. ST. THEODORE'S CHURCH Spencerport Road

Rev. John J. Baier, Rector Sunday masses: 8 and 10 o'clock Bay and Teresa Streets

HOLY A POSTLES CHURCH

Lyell Avenue Rev. John F. Nelligan, Rector

Sunday masses: 8:30 and 10 clock, high mask. Holydays, 5 30 478 State St. and 8 o'clock. ST. JOHN THE EVANGELIST Humboldt Street

Rev. John B. Sullivan. Rector Sunday Masses: 7:30, 9, 10, 11 clock. Holydays, 6, 7, 8, 9 o'clock. ST. AUGUSTINE'S CHURCH Chill Avenue and Lozier Street

Rev. John H. O'Brien, Rector Sunday Masses: 6:30, 7:30, 8:30 chairman of the arrangements com-OUR LADY OF VICTORY CHURCH Present Street Rev. Camiel Van der Meulen.

11 o'clock.

DEATHS OF THE WEEK

Funeral services were held from the respective churches on dates given. All burials made in Holy Sepulchre cemetery unless otherwise mentioned. May their souls rest in

Schlueter-Louis F. Schlueter, aged 65 years died at his home. No. 965 North street, July 26. Funeral from Holy Redeemer Church, July 28 Menz-Kathryn Pendergast Menz, wife of Alex. Menz of Honeoye Falls,

at the family home, 24 Gordon Park. Funeral from Mount Carmel Church July 27.

Farrell—Joseph Francis Farrell of Sunday masses: 7:30, 9:00 and 11 West Henrietta, died July 24. Funeral from St. Mary's Church, Scottsville, July 27th. Interment in Holy Angels cemetery.

McMahon—Thomas J. McMahon Sunday masses: 6:00, 7:30, 8:30 died July 25, at the family home, lish and Irish immigrants was traced, p. L. Salter, of Weld street, took 9:30, 10:30 o'clock. Holydays, 5:30, 161 Eastman avenue. Funeral from and the work of Italians received place on Thursday, July 12th, at the 6:30, 7:30, 8:30, 9:30 solemn High Sacred Heart Church, July 28.

Becker-Albert Leo Becker, aged SS, PETER AND PAUL'S CHURCH 14 years, son of John and Flora Scheld Becker, died July 25 at the Strong Memorial Hospital. Funeral Sunday masses: 6, 7, 8:15, 9:30, from Holy Redeemer Church, July

Woehrlen-Gustave A. Woehrlen died at the residence, 86 Thatcher road, July 26, aged 72 years. Funeral from St. Thomas Church, July

finally, of the prospects for the new Mr. and Mrs. Raymond Hermle, of 9:30, 10:30 and 11. Holydays, 5:30, Hefter—Sebastian Hefter died July 25, aged 54 years. Funeral The Fordham-Catholic Summer Harold Francis Knapp, son of Mr. BLESSED SACRAMENT (HURCH from St. Michael's Church, July 27. Joyes-Mrs. Elizabeth Nelson Rev. Thornas F. Connors, Rector Joyes, wife of Frederick Joyes died Sunday masses: 6, 7, 8, 9, 10 and suddenly July 23, at her home; No 301, Manhattan street. Funeral from Corpus Christi Church, July 26th.

Lill-June Lill, daughter of Harry and Viola Kleisle Lill, died July 21 Sunday masses: 7, 8, 0, 10, and at Genesee Hospital, aged 4 years. Funeral from St. Michael's Church. July 24th.

Rick-Mary C. Rick died July 23. Funeral from St. Mary's Church. Steldle-Mrs. Katherine Steldle

Lake avenue Hospital. Funeral from St. John's Church, July 34th Gangi-Aifonso Gangi died July 23rd. Funeral from St. Michael's

Church, July 26th

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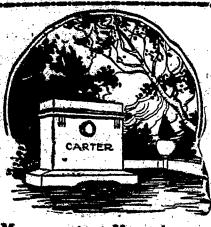
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ST. SALOME'S CHURCH Culver Road, Point Pleasant, N. V. Rev. Edward J. Eschrich, Rector to be held here July 5 to 10, 1929. Sunday Masses: 7:30, 8:30, 9:15, Rev. Edward J. Essentich, rescut. The Gaives hotel will serve as con- (Beigian's and Hollander's Mass) and Sunday masses: 6:45, 8, 9:50 o'clock. Week days, 8 o' lock.

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