

# Deepfreeze Jesuit Measures Polar Icecap

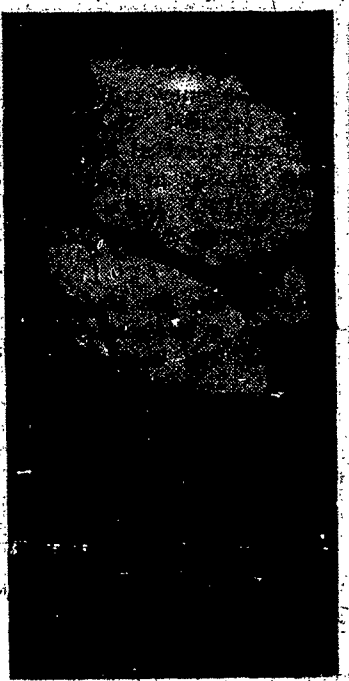
Cincinnati—(NC)—When Father Edward A. Bradley, S.J., Xavier University geologist, sails from Antarctica next month, he will have completed a year of scientific investigation in the tradition of history's great Jesuit explorers.

In fact, Father Bradley's research parallels that of one of the first scientific explorers of the Cincinnati area and the Ohio Valley, Father Joseph-Pierre de Bonnecamps, S.J., who, like Father Bradley, was a Jesuit college professor.

The 35-year-old Xavier physicist, who is the son of Mr. and Mrs. E. J. Bradley of Cincinnati, Ohio, arrived in Antarctica last January after a two-month sea voyage.

He joined the U.S. Navy's Operation Deep Freeze, a special task force of polar experts and scientists who, as part of the International Geophysical Year operations, are endeavoring to unlock some of the secrets of the frozen continent.

Whereas Father Bradley has as chief purpose the measuring of the thickness of the icecap on the polar continent, Father de



FATHER BRADLEY

Bonnecamps, who held the chair of hydrography at the College of Quebec, mapped the waters of this area of the country. He journeyed into the Ohio

valley in the summer of 1749 with a large party of French and Indians under the command of the French officer Colonel de Bienville.

Enroute from the site of the present day Pittsburgh to that of Detroit, Father de Bonnecamps took compass readings every 15 minutes and recorded latitude reckonings. He later made a map of the area that was preserved for years in the Department of Marine, Paris.

Father de Bonnecamps' expedition was a military one exploring a little-known area and seeking scientific information.

Similarly, Father Bradley is part of a military group seeking scientific information in a little-known part of the world. FATHER BRADLEY is making precise topographical observations just as Father de Bonnecamps. He disembarked last January at the newly founded Ellsworth Station located on the Filchner Ice Shelf of the Weddell Sea, almost directly south of Cape Horn. This station, which is comparatively close to Argentine and British stations, lies on the western side of the continent of Antarctica.

Shortly after his arrival, Father Bradley set out on a six-week expedition which traversed a triangular course to bring him back to Ellsworth Station before the onset of the stark Antarctic winter.

His party, for which he served as navigator as well as seismologist, traveled by snow cat tractor which pulled their living quarters as well as their equipment across the ice.

Every 20 miles a stop was made to give Father Bradley and other scientists with him the opportunity to make their observations. Geologists examined the ice samples taken from deep holes that were drilled.

After that, Father Bradley set up his portable seismograph to record shock waves released by the explosion of dynamite charges in their hole. The time it takes the waves to echo off the earth below was recorded, and this was later translated into measurements of the depth of the icecap.

THE INFORMATION gained by the seismologists will help meteorologists to gauge the effect that the icecap has in formation of world weather, since the continent of Antarctica serves the chief "air conditioner" for the world. Information scientists gain about it will help them in establishing weather cycles and weather predictions.

With the beginning of the four-month Antarctic winter last May, Father Bradley's party dug in at Ellsworth. During this time, besides getting in seismological observations in order, he operated the station's short wave set and established contact with various amateur operators in the Cincinnati area who, on occasion, have called Xavier to give Father Bradley the opportunity to speak directly with the Rev. Paul L. O'Connor, S.J., Xavier president.

In one conversation with Father O'Connor toward the end of his "hibernation" Father Bradley said "it will be nice to walk on green grass again."

Early in October, Father Bradley and his companions were able to break out of their snowed in position to greet the long absent sun.

They immediately began preparations for a monumental three-month thousand-mile expedition across the ice which by the next month will take them to the

Byrd Station in Marie Byrd Land. It is a trip across a monotonously flat stretch of ice with only a few isolated mountains to be encountered.

Father Bradley is continuing to take seismic soundings in a regular pattern as he did on his trip in the spring. His findings will also help scientists determine a more accurate estimate of the earth's total water supply.

When he arrives at the Byrd Station in January, he will have completed his Antarctic explorations, and will then fly to the Little America station, at which point he is expected to take a ship and sail up the west coast of South America with San Francisco as his destination.

He will come back to Xavier in March, 1959, but will not stay long because he will be going to the University of Wisconsin where, together with other scientists, he will evaluate his findings.

Two other American Jesuits

have also participated in Operation Deep Freeze. Father Daniel L. Lohrman, S.J., of Boston College, is technical adviser to Admiral George Dufek, Operation Deep Freeze commander, on the location of a periglacial airstrip on the continent.

Father Henry Birkenhauser of John Carroll University, Cleveland, is manning the Vilkes Station, 2500 miles directly across the continent from the Ellsworth Station.

The three American Jesuits thus carry on the glorious tradition of the Jesuits who number in their ranks some of the greatest explorers the Western world has known.

Among them are St. Francis Xavier, in 1549 among the first white men to enter Japan, Father Matteo Ricci, who penetrated farther into China in the 16th century than any white man before him, and Father Jacques Marquette, explorer of the Mississippi River.



'Pains For Peace'

Akron — (RNS) — Distribution is widening here of plaques which urge hospital patients and other sick persons to offer pain as a prayer for peace. Examining one of the plaques are Mrs. Joseph Wojno of the Holy Family Parish in Stow, O., who originated the idea, and Mrs. Vincent Malloy, a nurse. The Akron Deaconry Council of Catholic Women is promoting the program aimed at getting the greatest spiritual benefit from suffering and pain.

## Relax! Prelate Tells Families

St. Paul — (RNS) — Moderation is a major ingredient in the formula for a happy family life, Auxiliary Bishop Leonard P. Cowley told 400 persons attending the annual rally of the Federation of Catholic Family Action of the St. Paul archdiocese.

Bishop Cowley, who is pastor of St. Olaf's Catholic church, Minneapolis, said families are not necessarily any happier today than they were in times gone by, nor were they happier than they are now.

"A happy family is a household that is relaxed," the bishop declared. "It is one whose members frequently receive sacraments. It has a corporate prayer life."

"It is not necessarily expensive, but it is clean. It is one in which there are attractive sacraments. Its members dress properly and there are in it no additions or inordinate desires." Parents must be constantly on guard against additions or inordinate desires by any members of the family, such as new cars, clothes, money, golf or phone records, he said.

These things in themselves are not bad, he explained, but consuming desires for them upset individual peace and family harmony.

"God gives us children," Bishop Cowley said, "so we can work out our sanctification by sanctifying the child. Parents must be consumed with the sanctification of their children. It is not only an obligation, but an enormous privilege."

## Cardinal's Mass In East Berlin

Berlin—(NC)—Cardinal Doepfer, Bishop of Berlin, celebrated his first Pontifical Mass as a Cardinal on Christmas at St. Pius Church in communist-dominated East Berlin.

Regarding recent trials of 11 Catholic laymen and four Jesuit priests in the Soviet zone, the Cardinal said in his sermon: "Whatever the charges are, they were singled out and sentenced because of their religious beliefs."

He asked Catholics to "prove that you are worthy of these faithful witnesses and pray for all these who lost their freedom."

## New Cardinals Given Rome Assignments

Vatican City — (NC) — The two new American Cardinals have each been assigned to three sacred congregations by Pope John XXIII.

Cardinal Coggiani, former Apostolic Delegate to the United States, was named to four sacred congregations.

Cardinal Quigley, Archbishop of Boston, was assigned to the Sacred Congregation of the Council, the Sacred Congregation for the Propagation of the Faith and the Sacred Congregation of Seminaries and Universities.

Cardinal O'Hara, O.S.C., Archbishop of Philadelphia, was assigned to the Sacred Congregation of the Council, the Sacred Congregation of Religious and the Sacred Congregation of Extraordinary Ecclesiastical Affairs.

## First Christmas In New Cathedral

Youngstown — (NC) — Bishop Emmet M. Walsh of Youngstown, recovered from a recent operation, offered the first midnight Mass in the new St. Columba cathedral here on Christmas Eve. The entire Mass was televised over WFMY Channel 21.

Workmen strung coaxial cable almost three blocks over streets and rooftops from the cathedral to the nearest Bell Telephone Company exchange for the telecast. WFMY also simulcast the Mass on radio.

## Six New Churches Rise In Singapore

Singapore — (NC) — Spiritually Singapore has had a good year. The Catholic population of the city has gone up to approximately 45,000 and Singapore is in the middle of a church-building boom.

Six big churches are going up almost simultaneously in different areas of the expanding city. Never have so many been going up all at once. And each church will have a seating capacity of 1,000.

THE FRANCISCAN Fathers, who played a big role in the early days of Malaya, have now officially returned to the country. This year they built a monastery as headquarters for their work here centered for the time being in Singapore.

The Franciscan Missionaries of the Divine Motherhood are now about ready to start their new hospital, the first Catholic hospital in the city. The Franciscan Missionaries of Mary are about to complete another in a "satellite city" outside of Kuala Lumpur, capital of the Federation of Malaya.

MANY CLINICS have been operated in this country for several years by both groups of Franciscans. The Christian Brothers are kept busy building new additions to their many schools by the rising young population. They have built an entirely new college on Mt. La Salle, overlooking the town and the entire countryside. At Seremban, a few miles from Kuala Lumpur, it is one of the finest school locations in the country.

## Reds Step Up Anti-Church Press Drive

Vienna — (RNS) — Communist newspapers behind the Iron Curtain considerably sharpened their propaganda against religion and the churches during 1958, a survey here disclosed.

OBSERVERS in this country attributed the intensified propaganda to the belief among Communist leaders that the influence of religion had notably increased in the satellite countries after the abortive Hungarian uprising in the fall of 1956.

Dunantull Naplo, a provincial newspaper published in Pecs, Hungary, demanded last May that the struggle against religion be increased because its influence could be felt even in Communist Party organizations.

In Czechoslovakia, a Communist organ quoted a district party secretary in Plzen as saying last August that the party cannot be content with atheistic education in schools because teachers and principals have not yet grasped the principles of the class struggle.

## GOD LOVE YOU!

By MOST REV. FULTON J. SHEEN

The following is a letter received at our office—it speaks for itself.

Most Rev. Bishop:

I am sending you \$10.00 for The Society for the Propagation of the Faith. I lost my boy Raymond, Monday in a school fire at Our Lady of Angels School. He had a birthday coming December 24th. He was going to graduate this coming June, and I did have all kinds of plans for him, but God deemed it otherwise. Since I can't get him anything for his birthday and also for Christmas, I know how proud he would be if I used the money for others.

My husband has been out of work for six months—plant closed after he had worked there for thirty years. At the moment it's what I can afford.

He was an altar boy, boy scout and a very good son. But it seemed God took him when he was at his best.

So much good has come of the deaths of these innocent children—no one will ever realize. People who never darkened the doors of a church, are coming to understand God's way. I know it is no hard to understand, but God in His Wisdom did what He knew best.

My eyes are lifted up to Heaven, knowing that Raymond is with Him.

God Bless you, Bishop!

And this was our reply.

My dear Friends:

Your letter was like the Book of Job in the Twentieth Century. Job, you remember, lost all of his possessions, as well as his family and his health. His answer was: "The Lord gives and the Lord takes away; praise be the Lord."

Not only is your resignation beautiful, but you add sacrifice to sorrow. The \$10.00 offered for The Society for the Propagation of the Faith, given at a time when your eyes are dimmed with tears and your husband's hands are unavoidably idle, is almost like saying to God: "You have taken what I thought was all; now I give Your more." As it is only when there is sunshine that a rainbow can be seen in the rain, so it is only through Faith in the Son of God that bright hopes can gladden your tears.

You and other parents sent your children to a school to save their souls; Heaven called them to the Patroness of the School, Sacred Heart of Christ has laid the impact of the nail wound, in Our Lady of the Angels. Would to God that all on whom the weight of grief and sorrow, think of bringing Faith to the pages of the world as you have done. Other Raymonds will arise to take his place in Asia and Africa through your Charity.

In the name of the Holy Father's Pontifical Society for the Propagation of the Faith, I beg God's consoling blessing upon you.

Assuring you of my prayers, I remain

Faithfully yours in Christ,  
FULTON J. SHEEN  
National Director

Cut out this column, pin your sacrifice to it and mail it to Most Rev. Fulton J. Sheen, National Director of the Society for the Propagation of the Faith, 366 Fifth Avenue, New York 17, N.Y., or your Diocesan Director, Rev. George S. Wood, 50 Chestnut Street, Rochester 4, New York.

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