Training Sessions the St. Columcille will Continue during March

AER LINGUS-IRISH FIRST JUMBO JET AT SHANNON

The Aer Lingus Boeing 747 Saint Columcille in flight. The Boeing 747 carries 385 passengares and a crew of 18. It cruises at 560 miles an hour at an altitude of 35,000 feet.

THE giant B747 aircraft St. Columcille, the first Aer Lingus-Irish Jumbo jet, is based at Shannon since Tuesday last for training exercises and will remain there until March 29. It will be engaged on three training details daily: from 8 a.m. to 12.30 p.m.; 1.30 p.m. to 6 p.m. and 7 p.m. to 11.30 p.m. Each detail will cater for eight crew, and in all, some sixty to sixty-five crews will be involved in the exercises.

On Friday, March 5, the St. Columcille, the first of two Jumbo jets ordered by Aer Lingus-Irish, took off from Snohomish County Airport, thirty miles north of Seattle, and after a few hours stop at Shannon, left on the final stage of its delivery flight to Dublin. The £10 million, 385-seater aircraft was piloted by the airline's chief pilot, Captain P. E. Little. Also on the flight deck were Captain Gordon Wade, Chief of Flight Standards; two other pilots and a navigator.

The aircraft was met by the Minister for Transport and Power, Mr. Brian Lenihan, T.D.; Mr. Patrick Lynch, Chairman, Aer Lingus-Irish; Mr. Michael Dargan, General Manager; and a large gathering of representatives of Irish travel, tourism, aviation and commerce.

The "St. Colmcille's" touch-down at its home base, Dublin Airport, was heralded by a fanfare from the No. 1 Army Band and the ceremonial hoisting of the national airline's house flag on a special stand of colours overlooking the airport ramp.

The growth of the national airline was dramatically illustrated by the sight of a tiny five-seater De Havilland "Dragon," waiting near the end of Dublin Airport's main runway to lead the giant B.747 to its parking area at the terminal.

Training

For the past 18 months intensive training has been carried out by Aer Lingus to ensure that flight and ground crews obtained the operational and technical information necessary to handle the 747.

Courses were arranged at the Boeing Company Service School in Seattle and at various vendor equipment service schools in the United States and Great Britain. This training covered all systems relating to aircraft, power plant, electrical and avionic equipment. In addition, selected technical and operational staff visited other airline operators to discuss operational data and to exchange views on handling techniques and loading methods.

The Aer Lingus ground school at Dublin Airport has also conducted courses for pilots, engineers and avionic specialists using highly sophisticated classroom training equipment.

To date 40 pilots and 275 engineers have completed training in the U.S.A., Great Britain and Ireland.

A group of hostess instructors have been trained with an American airline and fifteen hostesses are at present in training at the Boeing Company works in Seattle.

A special mock-up of the Boeing 747 has been built in the hostess training quarters at Dublin Airport and to date some 132 hostesses have been trained here. Further training will be carried out on the new aircraft before its introduction into service. By the end of June about 450 hostesses will have completed Boeing 747 training.

Project groups visited London Airport to observe Boeing 747 handling; training seminars are currently in operation for clerical and operative staff; training in driving and operating 747 equipment, is in operation at Dublin and Shannon; sales and reservations training is under way in Dublin, Belfast, Cork and Limerick.

The St. Colmcille training exercises involve simulated loading, unloading, cabin service, cleaning, passenger boarding and equipment positioning. Also included are 5-hour simulated flights during which meals and drinks will be served to a number of volunteer passengers—all airline staff.

Dimensions

Compared to the largest aircraft at present operated by Aer Lingus, the 167 seat B.707, the new aircraft is 78 feet longer, 21 feet higher and 50 feet wider.

The aircraft is manufactured in ten major sections and has approximately 4,200,000 parts.

It contains 100 miles of cables and wires.

The flight deck contains 135 instruments, apart from indicator lights and controls.

There are 18 wheels, 16 on the main gear and two on the nose-wheel. It is possible to steer the main wheel gear as well as the nose-wheel gear. In spite of this the 747 needs a turning circle 100 yards in diameter.

Two Boeing 747 flights could carry almost all the passengers carried by Aer Lingus in 1936-1937, its first year of operation.

The length of the Boeing 747 is 33 feet more than the height of Liberty Hall, Dublin.

The entire population of an Irish village would fit in a Boeing 747. It could accommodate everybody in Ashford or Fenit, Oola, Bruff, Sneem . . . and still have room for a few neighbours, friends and visitors!

The pilots on a Boeing 747 on the ground are already seated twice as high as the Wright brothers' aircraft flew in 1903. The first ever aeroplane flight at Kitty Hawk (North Carolina) in 1903 covered just over half the length of the cabin of a B747 (120 feet). The passenger entrances are approximately 17 feet above the ground.

The 47,200 gallons of fuel in a Boeing 747 would power the average family car (if it used kerosene) for just over 100 years. As heating fuel it would keep a four-bedroom house warm for about 44 years. Nevertheless it takes only thirty minutes to fuel a Boeing 747 for a transAtlantic crossing.

The approximate fuel consumption on an Atlantic crossing is 20,000 gallons (60 tons).

In flight

Take-off and landing distances for the 747 are comparable to those for the 707. The 747 cruises at an altitude of 35,000 feet (7 miles), at 560 miles per hour. Its speed is only slightly greater than the 707, permitting a close integration of the schedules for both aircraft.

It has a maximum take-off weight of 710,000 lbs. (318 tons), thus permitting a maximum pay-load of 165,000 lbs. or 73 tons. It it the world's heaviest commercial aircraft. It carries a crew of three pilots and fifteen air hostesses. In its all-economy version, it carries 385 passengers in nine-abreast seating.

In mixed configuration it accommodates 24 first class passengers and 342 economy class passengers. Its cargo and baggage holds measure 5,800 cubic feet, more than three times as great as the Boeing 707.

Navigation

The three inertial navigation systems of the Boeing 747, first developed for space flight, each incorporates small computers which start as the aircraft taxis to the runway. The flight plan is programmed before each flight. Information on the aircraft's course with the changes which should be effected are supplied without interruption to the autopilot while in flight, as well as position and other data to the flight instruments. What could take a navigator 20 minutes to calculate is supplied by the computer in one-twentieth of a second.

In-flight entertainment

In-flight movies will be available in all but one of the the five passenger compartments. Eight audio entertainment channels providing varied programmes of music and information will be available through individual ear-phones at all seats on board.

Interior decor

The interior of the Boeing 747, is divided into five zones or compartments, four of them named after the four provinces of Ireland, and the fifth after Tara, the ancient seat of the High Kings of Ireland. The panels which decorate the partitions, carry the arms of the provinces imposed on reproductions of John Speed's seventeenth century maps of the provinces.

The colour schemes in all compartments reflects the soft colours of Ireland, the greens, browns and gold, creating a comfortable, yet sophisticated interior.

Throughout the aircraft, side panels, fabrics, screens and partitions feature Irish design a thousand years old, with motifs drawn from Carrickmacross lace, Celtic scroll patterns, traditional costumes and traditional stone wall construction.

The panels, with their maps and coats of arms, flip over to act as cinema screens. For those who prefer to travel without movie entertainment, the Ulster Room is available.

The Tara Room accommodates 24 first class passengers. It is fitted for both audio and visual entertainment. Meals are served from a bar in the centre. Head rest covers, table napkins and tray mats in the first class compartment are made of Irish linen. The delph and cutlery are of Irish design and manufacture.

First class passengers have access to an upper deck state room at the top of an elegant winding staircase. Here passengers can relax and enjoy a drink from a cocktail bar. The state room is furnished with comfortable lounge-style chairs.

The Ulster Room accommodates 56 economy passengers. It has audio but no visual entertainment. The Connacht, Leinster and Munster Rooms accommodate 92, 78 and 116 passengers, respectively. All have both audio and visual entertainment.

There are 12 toilets and seven galleys on the Boeing 747.

There are 10 doors on the aircraft.

In service

Aer Lingus-Irish 747 services will begin on the Dublin-Shannon-New York route on April 5th. On the Dublin-Shannon-Boston route services will start on May 27th, the 35th anniversary of the company's first flight (Dublin/Bristol).

Initially, three Boeing 747 services will be provided weekly on the Dublin-Shannon-New York route. At the peak season eight services will be provided weekly, in addition to fourteen 707 flights.

Boston will be served initially by two Boeing 747 flights, rising to three at peak season, plus five Boeing 707 flights.

The upper deck lounge of the Aer Lingus—Irish Boeing 747. The lounge, which is part of the first-class area has seating for 16 people.

A section of the roomy interior of the Boeing 747.

In flight entertainment in one of the compartments of the Aer Lingus — Irish Boeing 747.

TELEVISION

TWO feature films on Sunday are of special interest.

At 3.31 p.m., the attraction will be "Murder In The Cathedral," and at 7.25, "A Tree Grows In Brooklyn."

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MONDAY'S showings include "Hawaii Five-O" and Misleading Cases."

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A NEW programme on Tuesdays is "Entertaining With Kerr"—a thirty-minute special which is building up a regular viewing clientele.

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WEDNESDAY (St. Patrick's Day) will have a special Sports Spectacular, and in the evening we shall see "The Dubliners In Amsterdam."

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"MISSION Impossible" will be replaced on Thursday with "Theatre of the Stars," and this sounds interesting.

"Four In One" (usually 10.20) will be replaced by "Pere Goriot."

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FRIDAY'S regulars include "Lancer," "A Handful of Songs," "Seven Days" and "The Storefront Lawyers."

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AT the time of writing, details of the colour transmissions have not come to hand, but I hear that St. Patrick's Day will be a milestone as far as RTE is concerned, with the first outside television telecast in colour from Croke Park.

Happy viewing.

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SATURDAY, MARCH 13

2.50—News Headlines.
2.51—Sports Special.
5.35—Wanderly Wagon.
6.00—The Angelus.
6.01—The News.
6.05—Weekend Sports.
6.15—The Big Top.
6.25—The World We Live In.
6.55—The Andy Williams Show.
7.55—An Nuacht.
8.00—The Mary Tyler Moore Show.
8.30—Mannix.
9.30—Fonn.
10.00—The News.
10.15—The Late Late Show.
11.35—News Headlines.
Transmission ends at 11.40 approx.

SUNDAY, MARCH 14

11.15—Protestant Service.
2.15—Profit From Figs.
2.45—Your Child At School.
3.15—En Francais.
3.30—News Headlines.
3.31—Feature Film — Murder in the Cathedral.
5.10—Disneyland.
6.00—The Angelus.
6.01—The News.
6.05—Sports Results.
6.15—Sports Special.
6.45—Encounter.
7.25—Sunday Night At The Movies—A Tree Grows in Brooklyn.
7.55—An Nuacht.
8.00—Sunday Night At The Movies—Part II.
10.00—The News.
10.15—Rowan and Martin Laugh In.
11.15—Weekend Sport.
11.30—News Headlines.
Transmission ends at 11.35 approx.

MONDAY, MARCH 15

10.30—Senior Biology.
11.15—English Literature.
2.15—Senior History.
3.00—Junior Biology.
5.35—The Island of the Great Yellow Ox.
6.00—The Angelus.
6.01—Labhair Gaeilge Linn.
6.15—The News and Sport.
6.30—In The Beginning
6.40—Romeo And Juliet.
7.10—Gaelic Report.
7.55—The Partridge Family.
7.55—An Nuacht.
8.00—The Cowboy.
9.00—Hawaii Five-O.
10.00—The News.
10.20—Feach.
10.50—Misleading Cases.
11.20—Outlook.
11.25—News Headlines.
Transmission ends at 11.30 approx.

TUESDAY, MARCH 16

11.15—Modern Maths for Juniors
2.15—Senior Physics.
3.00—Junior Geography.
3.30—Senior History.
5.35—The Pink Panther.
6.00—The Angelus.
6.01—Cartoons.
6.15—The News and Sport.
6.30—Here's Lucy.
7.00—Newsbeat.
7.25—On The Land.
7.45—Mart and Market.
7.55—An Nuacht.
8.00—The Virginian.
9.30—Radharc.
10.00—The News.
10.20—7 Days.
10.50—Entertaining With Kerr.
11.20—Outlook.
11.25—News Headlines.
Transmission ends at 11.30 approx.

WEDNESDAY, MARCH 17

12.00—An Aifreann.
2.00—Sports Special.
5.10—Film.
5.35—Look.
6.00—The Angelus.
6.01—Labhair Gaeilge Linn.
6.15—The News.
6.25—Holiday Sports Final.
6.40—Garda Patrol.
6.55—Seogadh '71.
7.25—The Riordans.
7.55—An Nuacht.
8.00—Bird's Eye View.
9.00—The Dubliners in Amsterdam.
10.00—The News.
10.20—Duais Drama An Oireachtais.
11.40—Outlook.
11.45—News Headlines.
Transmission ends at 11.50 approx.

THURSDAY, MARCH 18

3.00—Sports Special.
5.35—Robin Hood.
6.00—The Angelus.
6.01—Fado Fado.
6.15—The News.
6.30—Arnie.
7.00—Newsbeat.
7.25—Amuigh Faoin Speir.
7.55—An Nuacht.
8.00—Sport In Action.
8.30—Theatre Of The Stars.
9.30—6 Of One.
10.00—The News.
10.20—Pere Goriot.
11.20—Outlook.
11.25—News Headlines.
Transmission ends at 11.30 approx.

FRIDAY, MARCH 19

5.35—The Bugs Bunny Show.
6.00—The Angelus.
6.01—Labhair Gaeilge Linn.
6.15—News and Sport.
6.30—Johnny Morris — North From Lion City.
7.00—Newsbeat.
7.25—The Elusive Primpernel.
7.55—An Nuacht.
8.00—Dialogue '71.
8.30—Lancer.
9.30—A Handful of Songs.
10.00—The News.
10.20—Seven Days.
10.50—The Storefront Lawyers.
11.50—Outlook.
11.55—News Headlines.
Transmission ends at 12.00 approx.

RADIO EIREANN

SATURDAY, MARCH 13

1.00—Sponsored.
1.30—News, followed by Na hIrisi Gaeilge.
1.45—Sponsored.
2.45—News Headlines.
2.56—Saturday Sport.
4.30—Nuacht Headlines.
5.00—News Headlines.
5.30—Play On.
5.55—Nuacht.
6.00—The Angelus.
6.01—Weather Forecast.
6.30—News.
6.45—Dear Sir or Madam.
7.15—Overture.
8.00—Nuacht Headlines.
8.01—Anything Goes.
8.30—An Baile I Bhead Siar.
9.00 News
9.10—On The Farm.
9.30—Jazz Corner.
9.45—Nuacht.
9.55—Sports Final.
10.00—Seo An tSathairn.
11.00—News Headlines.
11.01—Ceili House.
11.45—Late News Summary.

SUNDAY, MARCH 14

8.00—News And Weather.
8.10—Michael Maguire's Music Box.
9.00—News and Weather.
9.10—Portraits from the Old Testament.
9.15—Sunday Miscellany.
10.00—News and Weather.
10.05—Mo Cheol Thu.
10.30—Nuacht Headlines.
10.31—Mass from the African Missions College, Dromantine, Newry.
11.15—Sur La Route.
11.30—Service from Hamilton Road Methodist Church, Bangor, Co. Down.
12.15—Two Heads are Better.
1.00—This Week.
2.00—Afternoon Concert.
3.15—Soccer: Cup Special.
5.25—First Class.
5.55—Nuacht.
6.00—The Angelus.
6.01—Country Call.
6.25—Appeal.
6.30—News.
6.45—Sports Time.
7.15—Preab Sa Cheol.
8.00—Nuacht Headlines.
8.01—Sunday Special.
9.00—News.
9.10—A Season of Plays from the 1970 Italia Prize.
10.20—My Gentle Harp.
10.40—Thomas Davis Lectures.
11.10—News Headlines.
11.11—G.A.A. Sports Results.
11.16—Get An Earful Of This.
11.45—Late News Summary.

MONDAY, MARCH 15

7.30—Morning Airs.
7.30—News and Weather.
7.33—A Thought For The Day.
7.55—Weather Forecast.
8.00—News And It Says In The Papers.
8.25—Weekend Sports Results.
8.30—News Headlines.
9.00—News And It Says In The Papers.
9.40—Rogha Ceoil.
10.00—Nuacht.
10.32—The Doctor.
10.58—A Thought For The Day.
11.00—News Headlines.
11.01—Here And Now.
12.00—The Angelus.
12.01—Nuacht Headlines.
12.03—Story Time.
12.45—The Kennedy's Of Castleross.
12.59—News Headlines.
1.00—Sponsored.
1.30—News At One Thirty.
2.00—Sponsored.
3.00—News Headlines.
3.01—This Afternoon.
3.01—Monday Magazine.
3.30—Trilby.
4.00—Nuacht Headlines.
4.01—Music Calendar.
4.30—As Young As You Feel.
4.55—Daire.
5.00—News Headlines.
5.01—The Young Entertainers.
5.30—Music On The Move.
5.55—Nuacht.
6.00—The Angelus.
6.01—Weather Forecast.
6.25—Conradh na Gaeilge.
6.30—News.
6.45—On The Balfe Beat.
8.00—Nuacht Headlines.
8.01—Music For Middlebrows.
8.30—Idir Shugradh Is Dairire.
9.00—News.
9.10—Focus.
9.45—Nuacht.
9.55—Sports Final.
10.00—An Mhuintir S'Againne.
10.25—The 1971 Dublin Festival Of Twentieth Century Music.
11.00—News Headlines.
11.01—The Western Promotions Programme.
11.15—Clar Chomhaltas Ceoltoiri Eireann.
11.30—ABC Promotions Programme.
11.45—Late News Summary.

TUESDAY, MARCH 16

7.30—Morning Airs.
7.30—News and Weather.
7.33—A Thought For The Day
7.55—Weather Forecast.
8.00—News, followed by It Says in the Papers.
8.30—News Headlines.
9.00—News and Weather followed by It Says in the Papers.
9.40—Rogha Ceoil.
10.00—Nuacht.
10.32—Movement To Music.
10.58—A Thought For The Day
11.00—News Headlines.
11.01—Here and Now.
12.00—The Angelus.
12.01—Nuacht Headlines.
12.03—Story Time.
12.45—The Kennedys of Castleross.
12.59—News Headlines.
1.00—Sponsored
1.30—News At One-Thirty.
1.55—Livestock Prices.
2.00—Sponsored.
3.00 News Headlines.
3.01—This Afternoon
3.01—The Joke About Hilary Spite.
3.35—Racing.
4.00—Nuacht Headlines
4.01—Consumers Guide to Music.
4.15—At Your Service.
4.25—Hospitalr Requests.
4.55—Daire.
5.00—News Headlines.
5.01—Peter Simple.
5.30—Music on the Move.
5.55—Nuacht.
6.00—The Angelus.
6.01—Weather Forecast.
6.25—Livestock Prices.
6.30—The News
6.45—Overseas Requests.
7.15—Piano People.
7.30—Ceolta Tire.
8.00—Nuacht Headlines.
8.01—Top Score.
8.30—Your Choice And Mine.
9.00—News.
9.10—Topic.
9.45—Nuacht.
9.55—Sports Final.
10.00—Daire
10.25—School For Parents.
10.45—My Gentle Harp.
11.00—News Headlines
11.01—The Johnny Flynn Showband Programme.
11.15—Mighty Avon Showband Programme.
11.30—Release Group Programme.
11.45—Late News Summary.

WEDNESDAY, MARCH 17 (St. Patrick's Day)

7.30—Morning Airs.
7.30—News and Weather.
7.33—A Thought For The Day
7.55—Weather Forecast.
8.00—News and It Says In The Papers.
8.30—News Headlines.
9.00—News and It Says In The Papers.
9.40—Rogha Ceoil.
10.00—Nuacht.
10.28—A Thought For The Day (repeat).
10.30—Aifreann O Mhainistir Naoimh Mhuire Tamhlacht.
11.15—News Headlines.
11.16—Seirbhis Eiciumineach
12.01 Nuacht Headlines.
12.03—Here and Now.
12.45—The Kennedys of Castleross.
12.59—News Headlines
1.00—News At One.
2.00—Hospitals' Requests Visits Galway.
3.00—News Headlines.
3.01—St. Patrick's Day Sport.
4.00—Nuacht Headlines.
5.00—News Headlines.
5.30—Music On The Move.
5.55—Nuacht.
6.00—The Angelus.
6.01—Weather Forecast.
6.30—News
6.45—O Staitse Charna.
7.30—First Class.
8.00—Nuacht Headlines
8.01—Coirm Cheoil na Feile.
9.00—News.
9.10—Seo Na Foinnse.
9.45—Nuacht.
9.55—Sports Final.
10.05—A Man and His Music.
10.35—News Headlines.
10.36—"No Man Knows or Cares."
11.05—Coisire Cheoil.
11.50—Late News Summary.

THURSDAY, MARCH 18

7.30—Morning Airs.
7.30—News and Weather.
7.33—A Thought For The Day.
7.55—Weather Forecast.
8.00—News and It Says in the Papers.
8.30—News Headlines.
9.00—News and It Says in the Papers.
9.40—Rogha Ceoil.
10.00—Nuacht.
10.32—Movement to Music.
10.58—A Thought For The Day.
11.00—News Headlines.
11.01—Here And Now.
12.00—The Angelus.
12.01—Nuacht Headlines.
12.03—Story Time.
12.45—The Kennedys of Castleross.
12.59—News Headlines.
1.00—Sponsored.
1.30—News at One-thirty.
2.00—Sponsored.
3.00—News Headlines.
3.01—This Afternoon.
3.01—The Bear, by Anton Chekov.
3.35—Racing.
4.00—Nuacht Headlines.
4.01—Thursday Magazine
4.30—Children Talking.
4.55—Daire.
5.00—News Headlines.
5.01—Reading and Writing.
5.30—Music On The Move.
5.55—Nuacht.
6.00—The Angelus.
6.01—Weather Forecast.
6.25—Livestock Prices.
6.30—News.
6.45—Disco-A-Gogan!
8.00—Nuacht Headlines.
8.01—Get An Earful of This.
8.30—The Joke about Hilary Spite.
9.00—News.
9.10—Cursai Reatha.
9.45—Nuacht.
9.55—Sports Final.
10.00—The Irish Gardener.
10.20—Missa Cantata.
10.45—My Gentle Harp.
11.00—News Headlines.
11.01—The Creighton Promotions Programme.
11.15—The Yardley Programme.
11.30—The Ruby Record Programme.
11.45—Late News Summary.

FRIDAY, MARCH 19

7.30 a.m.—Morning Airs.
7.30—News and Weather.
7.33—A Thought for the Day.
7.55—Weather Forecast.
8.00—News and It Says in the Papers.
8.30—News Headlines.
9.00—News and It Says in the Papers.
9.40—Rogha Ceoil.
10.00—Nuacht.
10.32—The Doctor.
10.58—A Thought for the Day.
11.00—News Headlines.
11.01—Here and Now.
12.00—The Angelus.
12.01—Nuacht Headlines.
12.03—Story Time.
12.45—The Kennedys of Castleross.
12.59—News Headlines.
1.00—Sponsored.
1.30—News at 1.30.
2.00—Sponsored.
3.00—News Headlines.
3.01—This Afternoon.
3.01—Top Score.
3.30—Trilby.
4.00—Nuacht Headlines.
4.01—Music for Children.
4.30—Speak Your Mind.
4.55—Daire.
5.00—News Headlines.
5.01—Quo Vadis?
5.30—Music on the Move.
5.55—Nuacht.
6.00—The Angelus.
6.01—Weather Forecast.
6.25—Livestock Prices.
6.30—News.
6.45—Country Style.
7.30—Sports Line.
8.00—Nuacht Headlines.
8.01—The Word In Question.
8.30 Songs and Sounds of Tomorrow.
9.00—News.
9.10—Network.
9.45—Nuacht.
9.55—Sports Final.
10.00—Orchestral Concert.
11.00—News Headlines.
11.01—The Eamonn Andrews Requests Show.
11.45—Late News Summary.