

# 1968

Aug.1968. Doreen, Dana and Kathy moved back to Ireland after we gave up the apartment in Shepperton. They went to live temporarily with Doreen's parents in Dungannon. Dana attended the Dungannon High School for Girls from Sep. until December. Doreen taught school in nearby Ballygawley. I lived with our friends the Brunellos in the apartment below the one we had occupied and continued to work at the National Physical Laboratory Ship Division in Feltham. Before we vacated our apartment we packed up the two large suitcases that we would take to California and stored a large crate containing some of our belonging with a company called Maudes near Shepperton. That crate was not collected and disposed of until about a year later (during a visit back to England).

Sometime in that autumn I took part in a production of Brendan Behan's play "The Hostage" by the NPL players staged in Glazebrook Hall.

Just before Christmas I left my job and travelled back to Ireland. On New Year's Eve the four of us left Ireland to travel to California. We stopped in New York to visit with our friends Mike and Maggie Lewis (in Queens) before travelling on to California.

# TRAVELS NOW AND THEN

© Christopher Earls Brennan

## EMIGRATION 1968

In Aug. 1968, Doreen, Dana and Kathy left our modest rental apartment in Shepperton and moved back to Ireland. They went to live temporarily with Doreen's parents in Dungannon. Dana attended the Dungannon High School for Girls from Sep. until December. Doreen taught school in nearby Ballygawley. I lived with our friends the Brunellos in the apartment below the one we had occupied and continued to work at the National Physical Laboratory, Ship Division in Feltham. Before we vacated our apartment we packed up the two large suitcases that we would take to California (which as well as our clothing included a few basic kitchen goods) and stored a large crate containing some of our other belongings with a company called Maudes in Teddington, Middlesex. That crate was not collected and disposed of until about a year later (during a visit back to England). I left the now disabled old car that had transported us from Oxford to Shepperton about a year before in the single garage assigned to our apartment for someone else to dispose of. Sometime in that autumn I took part in a production of Brendan Behan's play "The Hostage" by the NPL players staged in Glazebrook Hall.



*Mews 1, Thamesfield Court, Shepperton (yellow door)*



*Last look at NPL, Ship Division*

Just before Christmas I left my job and travelled back to Ireland. On New Year's Eve the four of us left Ireland to travel to California.



*Christmas 1968 in Magherafelt*



*Along the Pasadena Freeway*

### Dec.31, 1968

BOAC Flight BA541 from Belfast to Prestwick, Scotland leaving Belfast at 12.50 hours and arriving in Scotland at 13.20 hours. BOAC Flight BA537 from Prestwick to New York leaving Scotland at 14.20 hours and arriving in New York (JFK) at 15.30 hours. We were met in JFK by Maggie Lewis who drove us to their home in Queens, New York; Mike and Maggie Lewis were good friends from my graduate student days in Oxford. We had stopped in New York to visit with our friends Mike and Maggie Lewis (in Queens) before travelling on to California. We very much enjoyed their hospitality and looked forward to seeing them again in the future. They even lent us a car with which to travel to visit friends in Boston. Mike had a job with a company, The Diebold Group, in New York and the family later moved to Bergenfield, New Jersey. Subsequently I made many fruitless to reconnect with them without any success.



**Jan.6, 1969**

American Airlines flight AA003 leaving JFK at 12.00 hours and arriving at LAX at 14.52 hours. We were met at LAX by graduate students Mike Wilson and Art Whitney who drove us to the apartment at 830 N. El Molino in Pasadena which Professor Wu had arranged for us to rent.



*At 830 N. El Molino, Pasadena*



*830 N. El Molino, Pasadena*

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*Last updated 11/30/20.  
Christopher E. Brennan*



## THE THINGS THAT BRENDAN SAID . . .

**SODA-WATER:** "A good drink invented in Dublin, but better with whiskey than straight."

**PARTITION:** *"Everybody in Ireland is against partition. It has me in the same camp as the Prime Minister—and I don't want to be in the same camp as the Taoiseach any more than he wants to be in the same camp as meself."*

**THE I.R.A.:** "If the big powers like America and Russia are entitled to drop big bombs, surely the I.R.A. are entitled to drop little bombs."

**POLITICIANS:** *"I'm not a politician. I've only got one face."*

**PRISON:** "Which prison do you prefer — English or Irish?" asked an interviewer. "English jails when you're young and Irish jails when you are older."

# BRENDAN BEHAN

**MONEY:** *"If people want me to behave like Cardinal Spellman or Billy Graham, why don't they pay me the salary those fellows are getting."*

**RELIGION:** "When I'm in health I'm not at all religious. But when I'm sick I'm very religious."

**CALIFORNIA:** *"California is the place to live. New York is the greatest city in the world, but six months a year in California is just what I want."*

**HOLLYWOOD:** "To go to California and not to see Hollywood is like going to Ireland and not seeing the Lakes of Killarney."

**FAME:** *"Once I heard that somebody had shouted 'blasphemy' at the presentation of 'THE HOSTAGE' in the Olympia, I knew I was in the tradition of O'Casey and Synge."*

**HIMSELF:** "I think I'm as well behaved as most politicians, owners of television network's, newspaper proprietors. I'm not dead and I don't belong to posterity yet. How's my health? If I felt any better I couldn't stand it."



# NPL CIRCLE IN LIVELY 'HOSTAGE'

**D**IFFICULT plays handled by amateur groups often lead down the same road—the one to disaster. But on Saturday night there was an exception. The late Brendan Behan's "The Hostage," as performed by the National Physical Laboratory's Amateur Dramatic Circle.

Despite the difficulties of speaking with broad Irish accents and a number of songs, the cast tackled the play with vigour and enthusiasm. Although some of the singing was slightly shaky, most of it was acceptable and also amusing.

Staged at the NPL's Glazebrook Hall, Queens Road, Teddington, the production ran for three nights, ending on Saturday.

One of the most pleasing points was a pace that never faltered. The dialogue flowed smoothly and convincingly and resulted in performances which were without dull moments and flat spots.

There were the rare occasions when the accents were a little too broad, making some phrases difficult to pick up. But in the main the dialogue could be heard very clearly.

## Lodging house

The play is set in a Dublin lodging house in 1960. It tells of how a young British private is taken to the house as a hostage, to be shot by the IRA if the British execute an 18-year-old Irish boy in Belfast jail.

Caretaker of the lodging house, Pat, was played by Chris Brennan, who portrayed with realism the old man's desire to re-live his past glories in the "time of the troubles".

His consort Meg, was well played by Gwen Waller. She proved to be very consistent in a difficult role.

David Ruxton gave a worthy performance as the boyish British soldier and Joan Dauris portrayed with ease the well-meaning but misguided Miss Gilchrist.

## Air of calm

The IRA officer was played with the correct air of calm and efficiency by John McLeod.

The producer was Audrey Bailey.

The costumes and make-up were good, but the set—though suiting the production well—could have been finished off with a little more care. The high standard of acting and slick dialogue, however, made up for that detail. J.B.



# OFFICIAL SECRETS ACTS

## DECLARATION

**Declaration to be signed by all non-industrial civil servants on leaving the service, also by non-civil servants on ceasing to have access to secret information**

My attention has been drawn to the provisions of the Official Secrets Acts which are set out on the back of this document, and I am fully aware that serious consequences may follow any breach of those provisions.

I understand

(1) that the provisions of the Official Secrets Acts apply to me after my appointment has ceased;

(2) that all the information which I have acquired or to which I have had access owing to my official position is information which is covered by Section 2 of the Official Secrets Act, 1911, as amended, and that the Official Secrets Acts apply to all such information which has not already officially been made public;

(3) that the sections of the Official Secrets Acts set out on the back of this document cover material published in a speech, lecture, radio or television broadcast or in the Press or in book form or otherwise and that I am liable to be prosecuted if either in the United Kingdom or abroad I communicate, either orally or in writing, including publication in a speech, lecture, radio or television broadcast or in the Press or in book form or otherwise, to any unauthorised person any information acquired by me as a result of my appointment (save such as has already officially been made public) unless I have previously obtained the official sanction in writing of the Department by which I was appointed;

(4) that to obtain such sanction, two copies of the manuscript of any article, book, play, film, speech or broadcast, intended for publication, which contains information which I have acquired or to which I have had access owing to my official position, or of any material otherwise to be published which contains such information, should be submitted to the Head of the Department;

Sub-paragraph (5) should be replaced by the following new paragraph. (The declaration should be signed in the presence of, and counter-signed by, a senior officer.)

"I hereby declare that I have surrendered any sketch, plan, model, article, note or document (whether or not classified) made or acquired by me during the tenure of my appointment save such as I have written Departmental authority to retain."

Signed.....*Christopher Brennan*.....

Surname (Block Letters).....**BRENNEN**.....

Forename(s).....**CHRISTOPHER**.....

Date of Birth.....**3.12.41**.....

Permanent (home) address.....**"CRANAGH DHU", MAGHERAFELT, CO. DERRY,**  
**N. IRELAND**.....

Signature of Witness.....*H.F. Poulter*.....

Date.....**28.11.68**.....

PERSONAL

Mr. C. Brennen,  
Ship Division,  
Feltham.

9th October, 1968.

Senior Research Fellowship

Thank you for your application of 4th October for a post as a Temporary SS0.

Since your present Junior Fellowship still has one year to run and you are within the normal age limits, the correct course is for you to make a direct application to the Civil Service Commission for either a Senior Research Fellowship or an established post as a Senior Scientific Officer. In the latter case the form of application which you have already completed will be sufficient, and I enclose a form for a Senior Fellowship, but either should be sent direct to the Civil Service Commission at 23, Savile Row, London, W1X 2AA.

*H. G. Short.*

H.G. SHORT  
Deputy Secretary



## MINISTRY OF TECHNOLOGY

## APPLICATION FOR EMPLOYMENT

(Scientific and Technical Staff)

SURNAME AND INITIALS IN BLOCK LETTERS		Mr. Mrs. Miss	REF.
BRENNEN , C		DR.	Age last birthday 26

## 1. Particulars of post for which you are applying:

Grade	Location	Advertised in
TEMPORARY S.S.O.	SHIP DIVISION, N.P.L. FELTHAM MIDDLESEX	

If you are not selected for the post for which you are now applying, do you wish to be considered for other posts suited to your qualifications and experience?

## 2. Name, with dates, the schools (and university and college, if any) at which you were educated after the age of 11.

	From	To
RAINEY ENDOWED SCHOOL, MAGHERAFELT, CO. DERRY, N.I.	1945	JUNE 1960
BALLIOL COLLEGE, OXFORD UNIVERSITY AND DEPARTMENT OF ENGINEERING SCIENCE, OXFORD UNIV. AS AN UNDERGRADUATE WHILST DOING RESEARCH FOR A DOCTORATE	1960 1963	1963 1966

## 3. Academic, professional and other qualifications

Qualifications obtained	Dates	Level (ordinary advanced, etc.)	Subjects
JUNIOR LEVEL CERTIFICATE (NORTHERN IRELAND)	1956		ENGLISH, HISTORY, GEOGRAPHY, LATIN, FRENCH, GERMAN, ARITHMETIC, ALGEBRA, GEOMETRY, AND, SCIENCE (ALL WITH DISTINCTION)
SENIOR LEVEL CERTIFICATE	1958	ORDINARY	ENGLISH LANGUAGE + LITERATURE, GERMAN, MATHEMATICS, PHYSICS, CHEMISTRY (ALL WITH CREDIT)
	1960	ORDINARY	LATIN (WITH CREDIT)
	1958	ADVANCED	GENERAL MATHS (DISTINCTION)
	1959	ADVANCED	GENERAL MATHS, PURE MATHS, APPLIED MATHS, PHYSICS AND CHEMISTRY (ALL WITH DISTINCTION)
ENTRANCE EXAMINATION IN MATHEMATICS TO BALLIOL COLLEGE, OXFORD UNIV.	1960	AWARDED BALLIOL	AN OPEN EXHIBITION FOR ENTRANCE TO COLLEGE IN MATHEMATICS
B.A. (OXON) (FIRST CLASS HONOURS)	1963	FIRST CLASS HONOURS	IN ENGINEERING SCIENCE DEPARTMENT
M.A. (OXON)	1966		
DOCTOR OF PHILOSOPHY			
D.Phil. (OXFORD UNIV.)	1966		IN THE DEPARTMENT OF ENGINEERING SCIENCE ON "CAVITATION AND OTHER FREE SURFACE PHENOMENA"

## 4. OTHER SUBJECTS (INCLUDING LANGUAGES) to which special study has been given.

LANGUAGES - FRENCH AND GERMAN.

OTHER SUBJECTS: RHEOLOGY MATHEMATICS - NUMERICAL ANALYSIS. COMPUTER PROGRAMMING

## 6. EMPLOYMENT

ALL APPOINTMENTS HELD (including present employment and business on own account) in date order.

Where experience has been particularly relevant to the post for which you are applying, you should give a full description

Name, address and business of employer	From	To	Position held and nature of work	Rate of pay	Reason for leaving
(AND POSTGRADUATE) SOME UNDERGRADUATE VACATION EMPLOYMENT INCLUDING: SHIP DIVISION, N.P.L.	FOR 6 WEEKS IN 1964		VACATION STUDENTSHIP (CAVITATION RESEARCH)	£7 (approx.)/week	
FOLLOWING COMPLETION OF MY DOCTORATE AT OXFORD UNIVERSITY I WAS EMPLOYED BY: SUPERINTENDENT, SHIP DIVISION, N.P.L.	1966	PRESENT	JUNIOR RESEARCH FELLOW INVOLVED IN INDIVIDUAL RESEARCH  (SEE ATTACHED SHEET) FOR DETAILS	£1400 p.a.	
Continue on a separate sheet if necessary					

Give here details of any periods not accounted for elsewhere.

NONE, EXCEPT VACATIONS.

7. Have you in the last five years been a candidate for a post in the Civil Service? If so, state in each case

- (1) the post
- (2) whether established or unestablished
- (3) which Department
- (4) when
- (5) the result

YES - SEE ABOVE.

- (1)
- (2)
- (3)
- (4)
- (5)

8. SERVICE IN H.M. FORCES

Have you served in H.M. Forces (including the women's Services)? If so, give the following particulars and note that you may be required to submit documentary

NO



## 9. PENSION

Do you receive any pension (other than a disability pension) or allowance in respect of civil, military, teaching, Indian or Colonial Service? If so, state:—

NO

- (1) Department or armed service responsible for the payment of pension or allowance, and address from which it is paid.
- (2) Salary prior to retirement
- (3) Amount of pension or allowance
- (4) Pension reference number
- (5) How much (if any) of pension has been allocated?

(1)

(2)

(3)

(4)

(5)

## 10. HEALTH

(1) So far as you are aware have you now, or have you had, any serious contagious or other disease or physical defect? If 'Yes', give particulars and dates.

(1)

NO

(2) If you are registered under the Disabled Persons (Employment) Act, state your Registration Number

(2)

NO

## 11. CHARACTER

Have you ever been convicted by a Court of Law? Answer 'Yes' or 'No'. If 'Yes', give full particulars.

YES.

I WAS CONVICTED OF ~~DRIVING~~ CARELESS DRIVING AT BALLYMENA, N.I. in 1959 FINED £5 AND DISQUALIFIED FROM DRIVING UNTIL I PASSED THE DRIVING TEST AGAIN WHICH I DID ABOUT 2 WEEKS LATER.

## 12. REFERENCES

Give the names and addresses of persons from whom references may be obtained. These should be:

(1) Present employer\* (or last employer if now unemployed); or, if not yet employed, principal of school or college, or other responsible person well acquainted with your academic work.

(1) Name MR. J.A. PAFFETT, SUPERINTENDENT

Address SHIP DIVISION, N.P.L.,

FELTHAM, MIDDLESEX

(2) and (3) Two responsible persons (e.g., householders) of British nationality to whom you are well known but not related.

(2) Name MR. J.R. SHEARER, J.R.S.

Address SHIP DIVISION, N.P.L.

or DR. G.E. GADD,  
SHIP DIVISION, N.P.L.

(3) Name SIR DAVID LINDSAY KEIR,  
(FORMER MASTER OF BALLIOL COLLEGE)

Address "HILLSBOROUGH",  
LINCOMBE LANE,  
BOAR'S HILL,



### 13. PERSONAL PARTICULARS

of Applicant	of Father	of Mother	of Spouse
(1) Surname (BLOCK LETTERS)			BRENNEN
BRENNEN	BRENNEN	BRENNEN	Date of marriage 29.6.63
(2) Surname at birth if different from (1) above			
		EARLS	KERR
(3) Christian or forename(s)			
CHRISTOPHER	WILFRED MACAULAY	MURIEL MAUD	KATHARINE DOREEN
(4) Date of birth (day, month and year)			
3.12.41	6.10.11	.3.14	19.12.42
(5) Place of birth			
BELFAST, NORTHERN IRELAND	BELFAST, NORTHERN IRELAND	BELFAST, NORTHERN IRELAND	COALISLAND, CO. TYRONE, NORTHERN IRELAND
(6) Nationality (see Note)			
BRITISH	BRITISH	BRITISH	BRITISH
(7) Occupation			
HYDRODYNAMICIST	SENIOR CONSULTANT SURGEON	HOUSEWIFE	PART-TIME SCHOOLTEACHER HOUSEWIFE
(8) Present address			
MEWS 2, THAMESFIELD COURT RUSSELL ROAD, SHEPPERTON (since Tel. No: WT 24646	"CRANAGH DHU", MAGHERAFELT, CO. DERRY, N. IRELAND	* "CRANAGH DHU", MAGHERAFELT, CO. DERRY, NORTHERN IRELAND. (*If deceased state year of death)	* * *
(9) Home address (if different from (8) above)			

NOTE If nationality at birth or at any other time was different give particulars and state naturalisation certificate number.

### 14. DECLARATION

I hereby declare that the information contained in this form is to the best of my knowledge correct. I am not aware of any circumstances which, if known, might cause my fitness for employment in the Government service to be questioned. I understand that any false statement knowingly made renders me liable to disqualification or to instant dismissal if engaged and, if entitled to superannuation allowance, to forfeit all claim thereto. I also understand that any attempt to gain special consideration for this application by the use of political or other influence will be regarded as disqualifying me.

Signature

*Christopher Brennan*

Date

2nd October 1968

**FOR OFFICIAL USE ONLY**

# INVOICE

Phone · 01-977 2787 & 1135

Depositories: HAMPTON HILL, FELTHAM & TEDDINGTON

## MAUDE'S TRANSPORT LTD.

GENERAL TRANSPORT CONTRACTORS  
Expert Furniture Removers and Warehousemen

Nº 17982

*All communications to be addressed to:*

119 HIGH STREET, TEDDINGTON, MIDDLESEX

8th. August 1968.

To collection from,

Dr Brennen. Mews 2. Thamesfield Court. Russell  
Road. Shepperton.

*Received with thanks  
R. J. Arnold*

Delivery to our store.

Plus Insurance.

£ 3. 10. 0.  
3. 6.

Storage to be 7/6 per week. plus 5% on

all storage accounts. All removals payable on completion.

£ 3. 13. 6.

Subject to Road Haulage Association Conditions of Carriage a copy of which may be seen in this Office or will be sent on request.

MAUDE'S : 8/- £3 10 0 in

PICKFORDS: 10/- £15 20 1st week in August.

50  
8  
20  
10

\*Soylent 15" x 5' x 4 1/2'  
\*Cot  
\*Baylen  
Lampost  
Record player  
Typewriter

Books  
Wedgewood  
Glasses  
Saucepans.

4 tracheas



Maud's  
16th Oct 1968

Dear Sirs,

~~Some time ago I~~

In early August of this year, I arranged with you that you would store a crate and some cardboard boxes for me for a period of approximately a year. On 8th Aug. your lorry collected these <sup>things</sup> from News 1, Thamesfield Court Russell Road Shefferton and I paid the bill also for the removal of the boxes to your store.

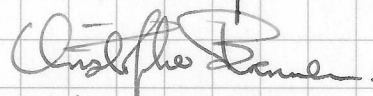
~~This letter~~

I thought perhaps that I had better write to you <sup>to tell you</sup> that the period of storage may be extended to up to two years. During this time I shall be in the United States of America. However a contact address in the U.K. will be

"Cranagh Dhu",  
Magherafelt,  
Co. Derry  
N. Ireland.

Should you require payment of storage accounts before withdrawal of my boxes from the store perhaps you would be so good as to contact me through that address,

Yours sincerely

  
(Dr. C. Brenner)



2460

12th Dec 1968

Dear Mr Paul,

Further to our telephone conversation of this morning I write to tell you that I wish the F.S.S.U. policy held in my name by you to be surrendered for cash and the proceeds paid to me, less the amount due to you from the unexpired premiums. You mentioned that the net amount payable to me would be of the order of \$460. I would appreciate it if you could pay this sum into my bank the following bank at which I have an account:

CHRISTOPHER Bre...

4.

As I shall be leaving Ship Division on ~~the~~ Friday, 13th December  
I also give you forwarding addresses through which you can  
contact me: "Canagarthi"  
and Pasadena.

Dear Mr Cousins,

I thank you for your letter of 5th December giving details of flight bookings and fares. Accordingly I enclose a cheque for £ 306 - 6 - 0 in payment of ~~my part of the fare~~ my family's part of the fare. I have <sup>incidentally,</sup> taken the precaution of clearing this cheque with my bank manager. Since I shall shortly be ~~returning~~ travelling <sup>(on the 13th Dec)</sup> to Belfast, in order that we may spend Christmas with our families I should be obliged to you if you could forward the tickets to the following address as soon as you have obtained clearance from the Educational Commission:

"CRANAGH DHU"  
MAGHERAFELT,  
CO. DERRY,  
NORTHERN IRELAND  
(TEL. NO. MAGHERAFELT 2311)

~~One further~~ <sup>I should mention.</sup>  
~~Two further points~~ <sup>require</sup> are outstanding. First, you will ~~let me~~ let me have confirmation of the American Airlines booking once you receive same. Secondly, the Educational Commission has agreed to ~~allow~~ ~~cover~~ pay for 8 lbs of excess baggage. I am not as yet certain that I shall require this ~~but~~ but I thought that I would mention it to you in passing.





BRITISH OVERSEAS AIRWAYS CORPORATION

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Ref MS T 037504

OKR

Dr C Brennen  
Mews 2  
Thamesfield Court  
Russell Road  
Shepperton  
Middlesex

5 December 1968

Dear Dr Brennen,

Further to our telephone conversation this morning I have pleasure in confirming the following reservations held for Mrs Brennen, Miss D, Miss K and yourself on :

BELFAST/PRESTWICK : BOAC flight BA541 - Economy Class -  
31 December

Departing : 1250 hours  
Arriving : 1320 hours

PRESTWICK/NEW YORK : BOAC flight BA537 - Economy Class -  
31 December

Departing : 1420 hours  
Arriving : 1530 hours

NEW YORK/LOS ANGELES : American Airlines flight AA003  
- Economy Class - 06 January

Departing : 1200 hours  
Arriving : 1452 hours

Please note that space on the American Airlines flight has been requested for your family and on receipt of confirmation I will advise you accordingly.

Assembly times : Great Victoria Street Bus Station - 1050 hours  
OR Belfast Airport - 1140 hours

The free baggage allowance for your journey is 20 kilos (44 lbs), whereas Katherine has no free baggage allowance and to offset this you are allowed to take with you into the cabin items required by the infant during flights not exceeding 10 lbs.

The total fare for your family is £306 6 Od calculated at the North Atlantic Family fare plus the Family fare in the USA as follows :-

Mrs Brennen

£173 3 Od

- 2 -

173	3
118	14
14	9
<hr/> 306	<hr/> 6

Miss D Brennen

£118 14 Od

Miss K Brennen

£ 14 9 Od

On confirmation of your scholarship from the Educational Commission and remittance of your fare of the above amount I shall be pleased to forward flight tickets.

Yours sincerely,



G E COUSENS  
PASSENGER RESERVATIONS OFFICE

EK



# CALIFORNIA INSTITUTE OF TECHNOLOGY

PASADENA, CALIFORNIA 91109

OFFICE OF THE PROVOST

December 16, 1968

Dr. Christopher Brennen  
"Cranagh Dhu"  
Magherafelt  
Co. Derry  
Northern Ireland, U. K.

Dear Dr. Brennen:

We are in receipt of your letter of December 10, and are happy to assure you that your arrival date of January 6, 1969, is entirely satisfactory with us. As a matter of fact, it is much better for you to arrive then than it would be on January 1, for that is the date of the annual Tournament of Roses celebration here. The streets are jammed, the hotels and apartments are full, many restaurants are closed and the rest are filled, so you will be much happier to arrive at the time you have scheduled.

Dr. Wu and his secretary have made arrangements for your housing, so you will have a furnished apartment awaiting you. When you arrive at International Airport in Los Angeles, take the limousine to the Huntington-Sheraton Hotel in Pasadena. You and your family can wait there while you telephone Dr. Wu's office (795-6841; Ext. 1230). Someone from the office will pick you up and drive you to your apartment which, I regret to say, is not within walking distance from the campus but it was the best Dr. Wu's secretary could find for you. It is a furnished, two-bedroom apartment, at \$135 per month. I might caution you that in this country most furnished apartments do not include linen and/or bedding, so you will have to provide your own. Dr. Wu personally made the \$30 deposit necessary to hold the apartment for you, as we do not have any general funds for this purpose.

I hope you will have a pleasant trip to California and will look forward to seeing you early in January. With best wishes for the holidays.

Sincerely yours,

*Frances Humphries*  
(Mrs.) Frances Humphries  
Administrative Assistant

FH:mo

# CALIFORNIA INSTITUTE OF TECHNOLOGY

PASADENA, CALIFORNIA 91109

OFFICE OF THE PRESIDENT

December 3, 1968

Via AIR MAIL

Dr. Christopher Brennen  
National Physical Laboratory  
Teddington, Middlesex  
England

Dear Dr. Brennen:

I take pleasure in notifying you officially that the Board of Trustees, at its meeting on December 2, 1968, appointed you Research Fellow in Engineering Science for one year, effective January 1, 1969, with a salary of \$10,000 per annum. This action was taken upon the recommendation of the Division of Engineering and Applied Science and with the approval of the Provost and the President.

Faculty appointments usually are on a 12-month basis, with provision for one month vacation for 11 months' service. Those holding initial appointments at the Institute will be entitled to three fourths of a month vacation after nine months' service; subsequently vacation will accrue on a monthly basis, but not beyond a total of one month.

The Institute has adopted a group life insurance program which is compulsory for faculty. The amount and premium are based on your salary and your dependents. In your case the premium will be \$4.05 per month, matched by an equal contribution from the Institute. No medical examination is necessary if you enroll within 30 days after you assume your duties here. We also have other benefits, including comprehensive health insurance; details of these programs will be given to you by the Faculty Office upon your appearance there.

As this is not a tax-exempt fellowship, it is subject to both state and federal income tax. We are required by law to make deductions from your monthly salary for federal income tax. You will be allowed a monthly amount of \$58.30 from your gross

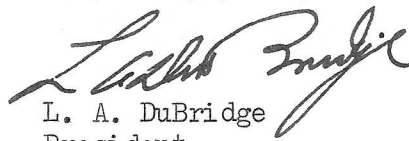


Dr. Christopher Brennen  
December 3, 1968  
Page 2

salary for your personal exemption. On the balance you will be subject to tax between 14 and 25 per cent. The state tax is payable at the end of the calendar year and/or upon your departure.

We are pleased that you have received a Fulbright award and hope that you will enjoy and profit by your work here. For our records, will you kindly indicate your acceptance of this appointment on the enclosed copy of this letter and return it to the Faculty Office.

Very truly yours,



L. A. DuBridge  
President

cc: Provost  
F. C. Lindvall  
G. E. Haskins

COPY

December 10, 1968

Dr. Christopher Brennen  
National Physical Laboratory  
Ship Division  
Faggs Road, Feltham, Middlesex  
England

Dear Dr. Brennen:

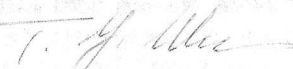
I just received your letter of December 5th and I am very glad to learn that you have already made your arrangements for travel to Los Angeles in early January. I wanted to tell you that I have asked Mrs. Barbara Hawk, our Administrative Secretary of the Engineering Science Department to help look for a place for your family upon your arrival. I can tell you that Mrs. Hawk is an extremely able person, except looking for a house sometimes may not be so easy. Generally speaking it is a little easier to rent an unfurnished house and look for used furniture, since unfurnished houses rent for less than furnished ones. The savings in the rent on an unfurnished house would be sufficient to compensate most of the furniture cost. Most of the unfurnished houses do have a gas stove and refrigerator. I am wondering how this alternative would appear to your family. There is also the problem of transportation from home to the Institute since the area (within walking distance of the campus) adjacent to the Institute is fairly well occupied at this time of year. Our public transportation in Pasadena leaves something to be desired so this presents somewhat of a problem. Please be assured that we will try our best and hope that something comes up before you arrive here. In case we can not find a house or apartment for you by the time you arrive, would it be agreeable with you to reserve a motel unit which may cost about \$20. per day, or slightly less on a weekly rate, for the transition period?

As for your formal appointment by our Institute President, the recommendation has to be processed through several offices and to be finalized by our Board of Trustees of this Institute. Please do not feel concerned if this official appointment should not arrive prior to your departure.

Just some additional travel information. There is a regular airport limousine available from Los Angeles International Airport to Pasadena. If you travel not too heavy, it is quite convenient to take this commercial limousine directly to Pasadena. After your arrival in Pasadena please telephone me at the Institute (795-6841 Extension 1230) and we can send someone to meet you. Should you encounter any difficulties at the airport do feel free to call us too.

With my warmest wishes for a happy crossing.

Sincerely,



T. Y. Wu  
Professor of  
Engineering Science

1.5. I just learned that your appointment letter was sent out Dec. 3. Your salary approved by our Institute turned out to be somewhat lower than submitted.  
TYW:bh





you could make necessary arrangements for us in a moment.  
I would hope, all being well that this would only be <sup>required.</sup> ~~necessary~~  
for a few days.

~~We will indeed~~  
Many thanks, also for your travel information. We  
shall indeed take the airport limousine to Pasadena and telephone  
you from the limousine terminal in Pasadena. ~~The~~ However,  
However, please  
~~please do not let us impose upon you~~  
do not let us inconvenience you or any of your staff in any way.

~~We will be travelling as light as is~~  
We will be travelling as light as possible, bringing  
only the necessities and ~~certainly with the airline~~

Finally, ~~again many thanks~~ I am most  
grateful to you for your kindness,

Best wishes

Christine Brenner.



Dear Professor Wu,

This morning I received official confirmation from the faculty office ~~and have just replied~~ and replied immediately enclosing the necessary signed document. I ~~do~~ do hope that the dates of travel which I outlined to you in my letter of the 5th december are amenable to all concerned. If ~~this~~ it is not in order, please let me know.

Because of the restrictions on the weight of baggage which we are allowed, I am going to take the opportunity of sending some of my work notes, etc. to your department by post in advance of my arrival. I hope this is in order.

I look forward to meeting you again in the very near future,

Dear Professor Wm,

15th Oct 68

~~I was very flattered~~

It was a great pleasure to get your letter formally  
~~offering me a position as a Research Fellow. I am delighted~~  
~~to accept your this appointment.~~ I am writing to you <sup>now</sup> ~~to let you know of my~~  
~~or less directly following the receipt of your letter in order to~~  
~~acceptance of this appointment.~~ It is of this very kind offer.

~~Though I~~

~~Though I have~~

~~Though I have~~

~~It remains to be seen~~

~~Though I have raised it~~

~~I have~~ I have raised the question of leave of absence, <sup>but</sup> ~~and~~ <sup>thought</sup>  
this matter remains to be settled. I ~~am~~ agree that it would  
be <sup>a</sup> ~~the~~ most desirable arrangement. However subject to  
~~your approval and advice I am making~~ <sup>but</sup>

~~However should it~~

~~not be possible to~~

There may be some

difficulty due to ~~that~~ the fact that as a Research fellow I am  
not on the established staff. However, if it is not possible

to arrange anything definite, I have been giving every  
assurance that my return ~~to Ship Division~~ <sup>an application</sup>  
will



Caltech would be <sup>welcomed</sup> and that ~~very favorably received~~.

Subject to your approval and advice, <sup>my family and</sup> I propose to travel to California very shortly after Christmas. ~~and in so~~  
~~that I should be~~

§

~~that this would be most convenient~~

are no problems at this end on <sup>this</sup> ~~that~~ score, ~~it seemed~~

~~that this~~ <sup>date of departure</sup> ~~would be most convenient~~, ~~putting~~ I presume

~~that~~

<sup>sufficient</sup> that this would leave me time to make all the arrangements at this end and would see ~~me~~ us settled <sup>in California</sup> before the beginning of the next academic term. I hope this will ~~be~~ be convenient for you.

~~I am pleased that our interests in the field of research~~

I was very interested in your remarks on fields of research studies.

~~Both of your suggestions are~~

~~Both topics which if~~

~~Both of the topics you suggested~~

~~and~~

Although I should be ~~delug~~ very grateful for the opportunity of continuing my studies of the ~~card~~ in circulation, the second subject which you suggested seems ~~another~~ interesting. Perhaps I can delay any definite

13th Nov

Ww

~~I am very grateful to you for your rapid response~~

~~to me~~ I hope that you did not mind my cabling you yesterday. I thought that I had better <sup>with you</sup> it would be better to check <sup>before</sup> I <sup>making</sup> made various personal arrangements ~~around~~ ~~that~~ dependent upon that date of travel. I do hope ~~th~~ I am very grateful to you for your rapid reply, ~~re~~ received this morning.

I do hope that you received my letter of the 15th Oct, accepting your very kind offer of a position as a Research Fellow. As I mentioned in that letter ~~I would be~~ ~~me~~ I would be most grateful to you for any guidance or advice you could give me towards obtaining accommodation in Pasadena in advance of ~~our~~ our arrival, since ~~my family will be travelling~~ my wife and two young daughters will be travelling with me. ~~Do you have any~~ ~~office within the Institute~~ ~~where to whom this enquiry could be~~ ~~referred?~~

Again, I thank you most sincerely for all you have done for me.

Finally, you may be interested in a paper I have just completed which deals with carbocation fully-developed carities in drag-reducing additive solutions. ~~An envelope should~~ I am posting a ~~copy~~ to you at the same time as this letter.

~~Wm~~

I have now made ~~book~~ airline bookings for the flight to Los Angeles for the passage to Cal for myself and my family for the passage to the U.S.A. ~~Provisionally~~ We will be flying to New York on the 31st Dec 1968, staying there for a short time and then flying to Los Angeles ~~on Amer~~ on Monday, 6th Jan. then, provisionally, ~~travelling~~ flying to Los Angeles, by American Airlines flight 3, departing New York 12.00 arriving Los Angeles 14.52. I do hope that I have not been presumptive in making these bookings, since I have not yet received ~~the com~~ any communication from the Institute president <sup>as</sup> which you mentioned in your telegram. I do hope to hear from you again soon. I do hope that I shall receive some or hear from you again soon, especially hope that I shall ~~receive~~ hear from Colbeck fairly soon, especially concerning the possibility of arranging accommodation. It also occurred to me that the Institute may have a medical insurance scheme ~~in which I could participate~~ of which I could take advantage. Incidentally I shall be leaving Ship Division on Friday, the 13th December and will be at the following address between then and ~~leaving~~ flying to New York:



OVERSEAS TELEGRAM



POST OFFICE OVERSEAS TELEGRAPHS

CERTIFIED COPY

OT 5/1A

For TELEGRAPH MANAGER

Date

## POST OFFICE OVERSEAS TELEGRAPHS

OFFICE STAMP & DATE	NO.	NO. OF WORDS	CHARGE			
			£	s.	d.	
FELTHAM 12TH NOVEMBER 1968	TLB 1873	33	CLERK'S NAME, NO. AND CIRCUIT AND TIME FORWARDED			
	TIME 1540					
OFFICIAL INSTRUCTIONS VIA IMPERIAL			CERTIFIED COPY OF TELEGRAM AS RECEIVED BY TELEPHONE			
INSTRUCTIONS TO BE SIGNALLED						

This telegram will be charged at ordinary rate unless an indicator (URGENT, ELT, LT or GLT) is inserted before the address.  
BLOCK LETTERS THROUGHOUT PLEASE

TO... PROFESSOR WU CALIFORNIA INSTITUTE OF TECHNOLOGY PASADENA CALIFORNIA =

HOPE YOU RECEIVED ACCEPTANCE LETTER OF 15TH OCTOBER STOP TO MAKE FINAL

ARRANGEMENT REQUIRE CONFIRMATION THAT PROPOSED TIME OF TRAVEL NEW YEAR

ACCEPTABLE = BRENNEN SHIP NPL

I request that the above telegram may be forwarded subject to the conditions printed on the back of this form to which I agree.

SIGNATURE AND ADDRESS OF SENDER (Not to be Telegraphed) DR BRENNEN (SHIP DIVISION), NATIONAL PHYSICAL LABORATORIES FAGGS ROAD FELTHAM MIDDX. Telephone No. 890 5891

SHIPDIV FELTHAM  
NPL TEDDINGTON  
13.11.68 9.15

COPY OF TELEX FOR DR C BRENNEN

L  
Z317 PASADENA CALIF 24 12 417P VIA WUI

LT DR CHRISTOPHER BRENNEN  
NATIONAL PHYSICAL LABORATORY SHIP DIVISION

NEW YEAR START FINE OFFICIAL APPOINTMENT TO COME FORM INSTITUTE  
PRESIDENT

T Y W U

CFM T Y W U

NPL TEDDINGTON

CPT TO COME FROM INSTITUTE RPT FROM

NPL TEDDINGTON

SHIPDIV FELTHAM

CALIFORNIA INSTITUTE OF TECHNOLOGY

PASADENA, CALIFORNIA 91109

DIVISION OF ENGINEERING  
AND APPLIED SCIENCE

Oct. 10, 1968

Dear Dr. Brennan:

I had a nice talk with Mr. Alec Silverleaf in Rome (about a month ago) concerning your strong wish of coming to Caltech. He thought it would be possible to arrange for you a leave of absence from NFL while you will be working here, and we both felt this would be <sup>a</sup> very desirable arrangement for all concerned. Would you also agree with us on this point? I hope this will not be difficult for you to pursue.

Incidentally, the proposed salary is about as high as I <sup>can</sup> hope to receive approval from our Provost's office, this being made with the idea that we cannot pay for the travel expenses of you and your family under a separate item, in either direction of your travel. This sum, however, would be comfortable for your stay here.

Please regard this as a personal note.

Best wishes  
T. J. Allen

JRS.  
JPR

# CALIFORNIA INSTITUTE OF TECHNOLOGY

PASADENA, CALIFORNIA 91109

ENGINEERING SCIENCE DEPARTMENT

October 11, 1968

Dr. Christopher Brennen  
National Physical Laboratory  
Teddington, Middlesex  
England



Dear Dr. Brennen:

It gives me great pleasure to tell you that we just learned of an additional funding to our research program being made available to my group for research studies in the next year. This enables me to write to offer you a faculty position of Post Doctoral Research Fellow in Engineering with a salary of \$11,000. per annum. The effective date can be set at a time convenient for you to take your leave from your present position at NPL. I would like to explain that at our Institute there are two types of faculty positions, one in teaching and research, and the other primarily in research. The appointment of the latter kind is the one I have in mind in making a recommendation for your appointment, and is based on a one year period which is renewable.

In regard to the field of research studies for your possible consideration, I would say that your recent investigation of three-dimensional cavity flows and the physical aspects of cavity surface in real fluids, coincides well with a part of our current program and therefore will be of considerable interest for further studies. In addition, we have generated a great deal of interest in a class of unsteady viscous flows past deformable bodies at sufficiently low Reynolds numbers. We have the vision that this latter fundamental study will have important bearing on the biophysical areas as well as in the naval hydrodynamic areas of fluid mechanics. Therefore, I would like to invite your interest in joining our group to participate in these studies.

If this offer of a position, the area of research investigations are agreeable to you, I would appreciate very much hearing from you. I would like to reiterate that it is most desirable for you to bring up this matter, if you decide favorably, with your supervisor as to when it is most convenient both for you and NPL to arrange the starting date of your leave of absence.

Looking forward to hearing from you soon.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "T. Y. Wu".

T. Y. Wu  
Professor of  
Engineering Science

TYW:bh



at Sir,

CIT

10 Dec 1968

I thank you most sincerely for providing me with the opportunity of working ~~at~~ at the California Institute of Technology. I enclose the signed copy of your letter to ~~me~~ me.

I do hope that you will not mind if I mention ~~two~~ matters with which you may be able to help me. The first concerns my date of arrival in California. I note from the letter that you intend me to ~~begin~~ begin work on the 1st January. ~~Unfortunately~~ I wonder

~~whether it would be amenable to you if ~~the~~ the Fellowship is effective from the 1st January.~~

Would it be  
Before receiving

~~amenable to you~~  
your letter

I made airline bookings ~~by which~~ <sup>for</sup> which ~~I~~ and my wife, two small daughters and myself ~~who~~ by which we would arrive at Los Angeles by the American Airlines flight 3 (arrive from New York <sup>Monday</sup> on the 6th January. ~~What~~ Would this Would it

~~be amenable to you if I made my first day of duty ~~the~~ is this amenable to you~~

Would it be amenable to

you if I made ~~this my the following day~~ my first commenced duty ~~on~~ the following day or day after? I do hope this is in order.

~~Very~~  
~~From~~  
I

should also like to <sup>seek</sup> ~~ask~~ your advice concerning accomodation.

I wondered whether ~~it would be possible for~~ your Institute contained an office ~~at~~ which could help or advise me in obtaining ~~an~~ an off <sup>apartment</sup> accomodation for myself, my wife and two small daughters. I should be very appreciative of anything you could do on this matter. Perhaps if you have such an office you could forward my enquiry to them.

~~Again I would like to express my ~~the~~ gratitude to you for your kindness,~~

~~Yours sincerely,~~

~~Christophe Bence.~~

Finally, Since I shall shortly be leaving Ship Division I wonder whether you could forward any future communication to me at the folloing address.

Incidentally, I wonder if I might enquire as to ~~the~~ ~~what~~ and  
as to ~~the~~ what computers

~~are~~ are in use at Caltech and the possible programming languages.

~~For~~  
~~the~~

Perhaps it is too early to raise these ~~some~~ relatively minor  
details with you but there is one other point ~~at~~ <sup>or</sup> ~~with~~ which

~~you~~ ~~me~~ you may be able to give me some guidance. ~~My~~

~~family and~~ ~~My~~ ~~and~~ It is much more economic if

~~my family~~ ~~my wife~~ ~~and~~, two young daughters ~~accompany~~ ~~travel~~ and

myself travel together to California. ~~But~~ ~~in~~ ~~Therefore~~ it would

~~be~~ ~~most~~ It would therefore be  
a great advantage to have accommodation ~~waiting~~ ~~for us~~ ~~is waiting~~  
~~for us~~ ~~in Pasadena~~ ~~there was~~ ~~in the Institute~~

I wondered whether ~~you~~ ~~Institute~~ ~~had~~

~~any~~ any office or bureau ~~connected~~ within your Institute which could  
accommodation

arrangement ~~arrange~~ ~~for~~ ~~such~~ make any, arrangements ~~or~~, enquiries

~~contacts for me~~ or contacts for me. ~~in this line~~. I would be

most grateful for any help or advice on this score.





*Her Britannic Majesty's  
Principal Secretary of State  
for Foreign Affairs.  
Requests and requires  
in the Name of Her Majesty  
all those whom it may concern  
to allow the bearer to pass freely  
without let or hindrance  
and to afford the bearer  
such assistance and protection  
as may be necessary.*

This Passport contains 32 pages  
Ce passeport contient 32 pages

# PASSPORT PASSEPORT

UNITED KINGDOM OF GREAT BRITAIN  
AND NORTHERN IRELAND  
ROYAUME-UNI DE GRANDE-BRETAGNE  
ET D'IRLANDE DU NORD

No. of passport / No. du passeport: **554537**

Name of bearer / Nom du titulaire: **MRS KATHARINE DOREEN BRENNEN**

Accompanied by / Accompagné de: **KERR** (and by TWO children) (et de DEUX enfants)

Nationality / Nationalité: **British Subject**

Chosen of the United Kingdom / Choisi par le Royaume-Uni

## DESCRIPTION SIGNALEMENT

Bearer Titulaire		*Wife Femme
Profession	HOUSEWIFE	
Place and date of birth	N. IRELAND	
Lieu et date de naissance	19. 12. 42	
Country of Residence	ENGLAND	
Pays de Résidence		
Height	5 ft 4 in	
Taille		
Colour of eyes	BLUE	
Couleur des yeux		
Colour of hair	BROWN	
Couleur des cheveux		
Special peculiarities		
Signes particuliers		

### \*CHILDREN ENFANTS

Name Nom	Date of birth Date de naissance	Sex Sexe
DANA MICHELE BRENNEN	22.6.64	FEMALE
VANTA KATHARINE EARLS BRENNEN	28.3.67	FEMALE

Usual signature of bearer / Signature du titulaire: *K. Doreen Brennen*

Usual signature of wife / Signature de sa femme:

CANCELLED

Bearer Titulaire



Wife Femme

(PHOTO)

CANCELLED



COUNTRIES FOR WHICH THIS  
PASSPORT IS VALID

PAYS POUR LESQUELS CE  
PASSEPORT EST VALABLE

Valid for all parts of the Commonwealth  
and for all Foreign Countries *etc*

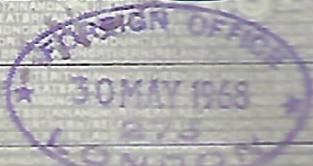
The validity of this passport expires : Ce passeport expire le :

30 MAY 1978

unless renewed *a moins de renouveler*

Issued at  
delivré à

date  
date



6 VISAS

7 VISAS

BLF No 001769

CONSULATE GENERAL  
OF THE UNITED STATES  
OF AMERICA  
BELFAST  
NORTHERN IRELAND

NONIMMIGRANT VISA

J-2 16 DEC 1968

CLASSIFICATION DATE

16 December 1972 FOR

MULTIPLE APPLICATIONS FOR

ADMISSION INTO THE UNITED STATES

ISSUED TO Katharine  
Doreen BRENNEN

GRATIS D. [Signature]  
CONSULAR OFFICER

IMM. & NATZ SERVICE  
NEW YORK, N. Y. 78  
ADMITTED

DEC 31 1968

CLASS  
TO

Dana Michele BRENNEN mds  
Vanya Katharine Earls BRENNEN mds





BRITISH OVERSEAS AIRWAYS CORPORATION

---

Ref MS T 037504

10RR

Dr C Brennen  
Mews 2  
Thamesfield Court  
Russell Road  
Shepperton  
Middlesex

5 December 1968

Dear Dr Brennen,

Further to our telephone conversation this morning I have pleasure in confirming the following reservations held for Mrs Brennen, Miss D, Miss K and yourself on :

BELFAST/PRESTWICK : BOAC flight BA541 - Economy Class -  
31 December

Departing : 1250 hours  
Arriving : 1320 hours

PRESTWICK/NEW YORK : BOAC flight BA537 - Economy Class -  
31 December

Departing : 1420 hours  
Arriving : 1530 hours

NEW YORK/LOS ANGELES : American Airlines flight AA003  
- Economy Class - 06 January

Departing : 1200 hours  
Arriving : 1452 hours

Please note that space on the American Airlines flight has been requested for your family and on receipt of confirmation I will advise you accordingly.

Assembly times : Great Victoria Street Bus Station - 1050 hours  
OR Belfast Airport - 1140 hours

The free baggage allowance for your journey is 20 kilos (44 lbs), whereas Katherine has no free baggage allowance and to offset this you are allowed to take with you into the cabin items required by the infant during flights not exceeding 10 lbs.

The total fare for your family is £306 6 Od calculated at the North Atlantic Family fare plus the Family fare in the USA as follows :-

Mrs Brennen

£173 3 Od



- 2 -

173	3
118	14
14	9
<hr/> 306	<hr/> 6

Miss D Brennen	£118 14 Od
Miss K Brennen	£ 14 9 Od

On confirmation of your scholarship from the Educational Commission and remittance of your fare of the above amount I shall be pleased to forward flight tickets.

Yours sincerely,



G E COUSENS  
PASSENGER RESERVATIONS OFFICE

EK

**Co. Derry  
doctor  
weds nurse**

DR. MICHAEL DAVID BRENNEN, son of well-known Ulster surgeon Mr. Wilfred M. Brennen, and Mrs. Brennen, "Cranagh Dhu," Magherafelt, and Miss Lesley Palma Gregg, staff nurse in the Royal Victoria Hospital, were married in First Presbyterian Church, Magherafelt, to-day.

The bride is the daughter of Mr. and Mrs. William J. Gregg, 19 Mullaghboy Cresc., Magherafelt.

Bridesmaids were Miss Trudy Howard and Miss Moyra Ellmitt and Miss Lily Glennister, cousins of the bride. Lois Gregg, sister of the bride, and Robin Brennen, cousin of the bridegroom, were child attendants.

Mr. Colin J. Brennen, brother of the bridegroom, was best man, and Mr. Trevor Gregg, and Dr. Christopher Brennan, brother of the bridegroom, groomsmen.

Rev. W. D. G. McCullough and Rev. Cecil Brennen, uncle of the bridegroom, officiated.

After a reception in the Conway Hotel, the couple left on their honeymoon, to be spent in Tunisia.