

## SECTION A

## BIOGRAPHICAL

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**BIOGRAPHICAL AND BIBLIOGRAPHICAL**

- A.1            Curricula vitae 1936, 1947, 1976, 1978, 1983.
- A.2            Entries for *Who's Who* etc. 1973-83 and nd.
- A.3            Correspondence with E. Braun and P.K. Hoch, Aston University Technology Policy Unit, 1981. Frank was interviewed for the History of Solid State Physics project.
- A.4            Correspondence with J. Baxter of Life-Story Cassettes re "Sir Charles Frank. Reminiscences of the Physics Department, Bristol University 1946-76", a recording made in 1982.
- Includes a typescript summary of the "Reminiscences".  
              See also DN 1320/2
- A.5            "Professor Sir Charles Frank, OBE, FRS". Biographical account dated 10 August 1984.
- A.6            Brief correspondence with S.R. Weart, American Institute of Physics Center for the History of Physics, 1986. Frank gave an "oral history interview" for the Center.
- A.7            Manuscript draft by Frank beginning "We live in a self-deluding century" recording his views on scientific methodology. Nd.
- A.8            Bibliographies 1951, 1978, 1988.

**CAREER, HONOURS AND AWARDS**

- A.9 Oxford. Miscellaneous material 1935-38 chiefly relating to Frank's interest in cinematography. Frank was a committee member of the University Film Society and Founder and President of the University Film Unit.
- A.10 Germany. Brochure for "Laboratorium Manfred von Ardenne"; programme for meeting of Deutsche Bunsen-Gesellschaft, Breslau, June 1938; list of colour photographs Frank took of "A vanished frontier" on the old German-Czech border in June 1938.
- A.11 Correspondence, October 1938-March 1939, re employment and research opportunities, including Cambridge.
- A.12-A.16 Second World War
- A.12 Correspondence sent to R.V. Jones by D.R. Pye, Director of Scientific Research at the Air Ministry, re Frank's transfer to Scientific Intelligence, 1940.
- Letter notifying Frank of his temporary promotion to Principal Scientific Officer from 1 July 1943.
- A.13 Notification of informal discussion on "Window (A.R.D.E. trials and general operational experience)", 4 March 1944. Annotated "Transport arranged".
- Papers for visit to Paris, April 1945. Includes Frank's Allied Expeditionary Force Permit and copy of his orders.
- A.14 Correspondence from Association of Scientific Workers, 1943-44.
- A.15 Miscellaneous correspondence and papers 1941-45 and nd. Chiefly financial.

- A.16 Later correspondence re Frank's war-work, September 1976, in connection with pension entitlement.
- Brief correspondence with Sir Stanley Hooker, August 1981, who wrote to Frank after reading the account of his and R.V. Jones' work for scientific intelligence in Jones' book *Most Secret War*. Frank's reply includes reminiscences of the period.
- Reminiscences of Frank, R.V. Jones and H. Smith from a female member of scientific intelligence staff, 17 January 1984.
- A.17 Correspondence re employment 1946-48. Frank applied for the Chair in Theoretical Chemistry at Norges Tekniske Högskole, Trondheim, and, provisionally, for a lectureship in Theoretical Chemistry at Cambridge.
- A.18-A.20 Bristol University
- A.18 1948-51. Letters of appointment. Frank was appointed Research Fellow in Theoretical Physics March 1948, and reappointed 1949 and 1950. Also cutting from *Bristol Evening Post* 23 March 1951 announcing Frank's appointment to Readership.
- A.19 1954, 1963, 1969. Includes letter of congratulation on Frank's appointment to the Melville Wills Chair, 10 July 1954, and notification of appointment to the Directorship of the H.H. Wills Physics Laboratory and Henry Overton Wills Chair, 11 July 1969.
- A.20 1976. Frank's speeches given at occasions marking his retirement 10, 19 and 29 June and goodwill letters from colleagues; notification of Frank's appointment as Professor Emeritus, 23 November.
- A.21 Election to Fellowship of the Royal Society 1954.
- Nomination for medal of the Royal Society 1962. See also A.26.
- A.22 Holweck Prize of the Société Française de Physique and the Physical Society 1963.
- Includes material for 1977 reunion of Holweck prizemen. See also E.20.

- A.23 Election to Honorary Fellowship of Lincoln College Oxford 1968.  
Election to Fellowship of Royal Society of Arts 1970.
- A.24 Honorary Degree of Bath University 1974.
- A.25 Conferral of Knighthood 1977.  
Includes accounts of investiture, letters of congratulation etc.
- A.26 Honorary Degree of Surrey University 1977.  
Election to Honorary Fellowship of the Institute of Physics 1977.  
Includes biographical note for *Physics Bulletin*.  
Honorary Degree of Trinity College Dublin 1978.  
Royal Medal of the Royal Society 1979.
- A.27 Election to Foreign Associate Membership of U.S. National Academy of Engineering 1980.
- A.28 Honorary Degree of Warwick University 1981.  
Guthrie Medal of the Institute of Physics 1982.
- A.29 Election to Honorary Fellowship of Indian Academy of Sciences 1984.  
Election to Foreign Associate Membership of Royal Society of South Africa 1986.  
Honorary Degree of Université de Paris-Sud 1986.
- A.30 U.S. Institute of Metals Lecture and Robert F. Mehl Award 1987.  
See also E.65.

**DIARIES**

Those 1965-72 are desk diaries, several of which were kept by his secretaries.

- A.31        1964.
- A.32        1965   Red.   Includes list at back of Frank's editorial, consultancy etc. commitments.
- A.33        1965   Blue.
- A.34        1966.   Includes list at front of Frank's commitments.
- A.35        1967.   Includes list at back of Frank's commitments.
- A.36        1968   Blue.   Includes a few loose intercalated notes.
- A.37        1968   Red.
- A.38        1969   Green.   Includes a few loose intercalated notes.
- A.39        1969   Red.
- A.40        1970   Red.
- A.41        1970   Green.   Includes a few loose intercalated notes.
- A.42        1971   Red.

- A.43            1971 Red. Labelled "Professor F.C. Frank".
- A.44            1972. Includes a few loose intercalated notes.
- A.45            1979-80. Bristol University Pocket Diary. Includes a few loose intercalated notes and cuttings.

**FAMILY****Frank Family**

Most of Frank's paternal grandfather's children emigrated, principally to South Africa and Canada. Frank was born in South Africa but his father returned to England very shortly after his birth.

A.46 Frederick John Frank (son).

The only child of Sir Charles and Maita Frank died in infancy.

A.47-A.52 Frederick and Medora Celia Emma Frank (parents).

Correspondence 1939-70.

6 folders.

A.47 1939-53 and undated early correspondence

A.48 1965

A.49 1966

A.50 1967

A.51 1968

A.52 1969-70

A.53 Edward H. Frank (brother).

Correspondence 1950, 1970, 1976.

A.54 Relatives in England.

Correspondence 1938-78.

A.55 Relatives in South Africa

Correspondence 1969-81.

A.56, A.57 Relatives in Canada.

Correspondence, chiefly with Phoebe Maud Skinner (paternal aunt).

A.56 1963-73

A.57 1974-81



A.58 Correspondence with Ronald Frank of Surrey re possible family connections, 1981.

A.59 Brundish Hall.

Brundish Hall, Suffolk, was the residence of Frank's maternal grandfather, Charles Read. Frank tried to discover the truth of a story that following the Hall's demolition in 1930 it was reassembled in the U.S.A.

The material includes photographs of the Hall.

#### Asché Family

Frank married Maia Maita Asché, of Finnish nationality, on 28 April 1940. She had many relatives in the Communist bloc and much of the material concerns attempts to get them out.

A.60 Maia Maita Frank (née Asché).

Correspondence 1946-53, 1973, 1982.

A.61 Inessa Zarin (sister-in-law).

The Zarin family were living in Harbin, People's Republic of China, and threatened with deportation to the Soviet Union (Inessa Zarin was born in St. Petersburg). The correspondence, 1954-57, concerns Frank's efforts to obtain entry visas to Australia or Chile for them. They received visas for Chile and Venezuela and were permitted to leave China in 1957.

Correspondence 1954-63.

A.62 Sophia Zinaida Forsbloom (mother-in-law).

Brief correspondence re securing her exit from Prague, 1968.

A.63 Michael Arnautov (nephew).

Brief correspondence chiefly re obtaining permission for M. Arnautov (a Soviet citizen though never resident in the U.S.S.R.) to remain in the U.K., 1968.

**PERSONAL CORRESPONDENCE**

Arranged chronologically.

A.64 1938-60  
A.65 1962-70  
A.66 1971-76  
A.67 1977-79

A.68 1980-81  
A.69 1982-83  
A.70 1984, nd

**CLUBS AND ASSOCIATIONS**

A.71           Athenaeum Club 1968-82.

A.72           Clifton and Hotwells Improvement Society 1974.  
               Coombe Dingle Residents' Association 1986.  
               Crabtree Foundation 1970.

A.73           Friends of Brunel's Temple Meads Station 1981-82.

A.74           Friends of the Bristol Art Gallery 1954, 1967, 1973.  
               Friends of St. George's, Brandon Hill 1981-82.  
               Malago Society 1986.

A.75-A.79     Old Ipswichian Club 1976-83.

Frank attended Ipswich School 1927-29. He served as President of the Old Ipswichian Club 1978.

5 folders.

A.75	1976	A.78	1978 May-December
A.76	1977	A.79	1979-83
A.77	1978 January-April		

A.80           Oxford Society 1979.

Royal West of England Academy 1981-83.  
 Thatched House Club 1944.

**MISCELLANEOUS**

- A.81            1934. "The Almond Tree". Manuscript draft of a short story by Frank.
- A.82            1938-42. Includes 2pp manuscript draft by Frank "Concerning the Baconian theory", 22 August 1939.
- A.83-A.87      1946-49. Financial papers.  
5 folders.
- A.88            1949, 1951, 1956.
- A.89            1960s. Includes copy of the first English edition of *Progress, Peaceful Coexistence and Intellectual Freedom* by A. Sakharov, sent to Frank April 1969.
- A.90            1970-71. Chiefly sale of Frank's periodicals.
- A.91            1972-79. Includes Frank's comments on a disarmament proposal in a letter of 23 November 1976.
- A.92            1980-82.
- A.93            1983-86.
- A.94            Nd.

## PHOTOGRAPHS

- A.95           Portrait photographs taken following Frank's election to Fellowship of the Royal Society 1954.
- Photographs taken during Frank's consultancy with General Electric 1956 (G.100-G.101). One of the photographs (of Frank with G.W. Sears and S.S. Brenner) was reproduced in the *Schenectady Union-Star* (G.101).
- A.96           International Conference on Crystal Growth, N.Y., August 1958 (H.30). Includes group photograph of conference, with key.
- Battelle Institute colloquium, Switzerland, May 1966 (H.60). Includes group photograph of colloquium.
- Frank and wife at "Wedding of Zbigniew Stachowski... Clifton, 8 July 1966".
- A.97           Frank and K.H.G. Ashbee inspecting their "nitinol" heat engine 1975. See also J.2.
- Group photograph in envelope inscribed "?Colston Symposium Group 1976 (Remote sensing)" (B.125).
- Sektion für Kristallwachstum der Schweizer Gesellschaft für Kristallographie meeting, Switzerland, October 1978 (H.118). Sent with Christmas card 1980.
- Group photograph of 31st Pugwash Conference, Banff, Canada, August-September 1981 (F.230-F.238).
- Group photograph of the Gordon Research Conference on Crystal Growth, N.H., July 1982 (H.150), with key.
- A.98           Miscellaneous undated photographs of Frank and colleagues.