

Science Museum Library and Archives  
Science Museum at Wroughton  
Hackpen Lane  
Wroughton  
Swindon  
SN4 9NS

Telephone: 01793 846222  
Email: [smlwroughton@sciencemuseum.ac.uk](mailto:smlwroughton@sciencemuseum.ac.uk)

## **UK3**

Technical and other material re UK3 (Ariel 3) Satellite  
Project c. 1963-1968

## UK3 / Ariel 3

### A Papers and Articles

- 1            1963            'The UK 3 International Ionospheric Satellite - Britain's first spacecraft'/J. L. Blonstein. Reprinted from **Proc. XIV Int. Cong.** Paris, 1963
- 2            1963 Nov        Proposed experiments for the US/UK co-operative satellite
- 3            1964 Mar 26    'The shape of UK-3'/J L Blonstein. **New Scientist** No. 384
- 4            1964 Apr        'Engineering and test problems on the UK3 Satellite'/J.L. Blonstein. Paper to be presented at the **Satellite Technology Symposium**, Deutsche Gesellschaft für Raketentechnik und Raumfahrt e.V.Munich
- 5            1964 Jul        'The space chamber as a satellite design tool'/B. Stockwell. Paper...**Premier Congrès Int. des Techniques du Vide en Recherche Spatiale**
- 6            1964 Jul        'Space chamber instrumentation. The choice of Performance Parameters'/J. L. Blonstein & B. Stockwell. Paper ... **Premier Congrès Int. des Techniques du Vide en Recherche Spatiale**
- 7            1964 Sept      'Some methods of spacecraft battery control'/J.L. Blonstein, D. F. C. Poole & D.E. Mullinger. Reprinted from "Batteries 2", **Proc. 4th Int. Symp.** Brighton
- 8            1964 Oct-Dec   'Engineering and test problems on the UK3 Satellite'/J. L. Blonstein. Reprinted from **Raumfahrtforschung**, Heft 4
- 9            1964 Nov        'The use of a space chamber in satellite design'/B. Stockwell. Paper...**Symposium on Space Environment Simulators**
- 10          1964 Nov        'International Satellites UK1, UK2 and UK3'/J L Blonstein
- 11          1965 Jan        'Britain's First Satellite'/B. Stockwell. Reprinted from **Spaceflight**, VII no 1
- 12          1965 Jan 5     'Engineering aspects of UK3'/J. L. Blonstein. Paper....**Brit. Interplanetary Soc. Symp. on "The engineering of scientific satellites"**, London
- 13          1965 Jun        'The Structure of UK3'/J L Blonstein. Paper....**C N E S Symp. on the Structure of Satellites**, Paris

- 14 1965 Jul 'Getting UK3 into orbit'/J L Blonstein. Reprinted from **World Aerospace Systems**, 7 no 1
- 15 1965 Jul 'Progress with U.K.3'/J L Blonstein & B Stockwell. Paper....**5th European Space Symp.** Munich
- 16 1966 Mar 'Precession of UK-3 Satellite due to Aerodynamic Torques'/Pauline Pearson. Reprinted from **Spaceflight**
- 17 1966 Jun 'Test engineering for the UK.3 satellite'/F.P. Cambell. Paper....**1st Space Eng. Conf. of the Assoc. pour l'Etude Astronautique**, Paris
- 18 1966 Oct 'Electrical system design and integration in the UK3 satellite'/F.P. Campbell & R.H. Fox. Paper....**XVIIth Int. Astro. Cong.** Madrid
- 19 1966 Dec 'Orbiting a high atmosphere experiment'/ F P Campbell. Reprinted from **Weather**, XXI no 12
- 20 1967 'Grossbritanniens erster Satellit'/ F P Campbell. **Weltraumfahrt**, Heft 4
- 21 1967 'The Ariel 3 Satellite'/P J L Wildman. Reprinted from **Met. Magazine** 96
- 22 1967 Feb 'UK3, Britain's Scientific Satellite'. Reprinted from **Wireless World**
- 23 1967 Feb 'The UK-3 Satellite and its Ground Checkout Equipment'/F.P. Campbell. Reprinted from **Radio and Electronic Engineer, Jnl. Inst. Elec. Radio Engrs.** 33 no. 2
- 24 1967 Feb 'Getting UK3 into orbit'/F P Campbell. Reprinted from **British Engineer**
- 25 1967 Jun 'UK3 Satellite: Fourteenth Quarterly Progress Report, British Aircraft Corp. Guided Weapons Div.'/F.P. Campbell
- 26 1967 Oct 7 'Attitude Determination of the Ariel III Satellite'/R B Bent. **Nature** 216,
- 27 1967 Oct 13 'The Ariel III Satellite Project'/F P Campbell & A C Ladd. Introductory lecture....**Ariel III 1-day Symp.** Inst. Elec. Engrs., London
- 28 1968 Jan 'The Ariel III Satellite Project'/F P Campbell & A C Ladd. Reprinted from **Radio and**

**Electronic Engineer**, 35 no 1

- 29            1968 May 2        'Up in Earth's whispering gallery'/Peter Stubbs. Reprinted from **New Scientist**
- 30            1968 May 3        'Ariel-3 completes a year in orbit'. Reprinted from **The Engineer**
- 31            1968 Jul            'A description of the Ariel 3 satellite'/H.J.H. Sketch. **Roy. Aircraft Estab. Tech. Report 68189**
- 32            1968 Sept          'The Success of Ariel III'. **Spaceflight** 10 no 9
- 33            [1967]              'Attitude determination of the Ariel III satellite'/R B Bent [See A 26]

**B Publicity Material**

- 1            -                      Development of UK.3 satellite/British Aircraft Corp. Guided Weapons Division
- 2            -                      British Aircraft Corporation and Ariel III the first all British satellite/British Aircraft Corp. Space & Instrumentation Group
- 3            -                      Science Research Council [booklet]
- 4            -                      The UK3 International Ionospheric Satellite Britain's first spacecraft/ British Aircraft Corp. Guided Weapons Division
- 5            -                      What UK3 will do for you [pamphlet]
- 6            -                      Satellite Electronic Equipment/GEC (Electronics) Ltd
- 7            -                      UK-3 The First All British Satellite. Press notes/Science Research Council
- 8            -                      U.K.3 - Press Information [booklet]
- 9            -                      UK-3 Press Kit No 2/Science Research Council
- 10           1967                  BAC's contribution to the UK.3 programme. News Release 17/67/British Aircraft Corp.
- 11           1967                  The UK3 International Ionosphere Satellite - Britain's first spacecraft. News Release 18/67 /British Aircraft Corp.

12	1967 Apr	British Information Services ID 1558 Goronwy Roberts, MP/British Information Services Reference and Library Division
13	1967 Apr 27	NASA Press Kit Release No: 67-96
14	1967 Apr 27	UK3 Background Brief/British Aircraft Corp. (USA) Inc.
15	1967 Apr 27	Third Anglo-American scientific satellite due for launch May 5th. News BAC (USA) Inc. 6/67 /British Aircraft Corp. (USA) Inc.
16	1967 May 9	"Storybook" launch for first all-British space satellite. News Release 34/67 / British Aircraft Corp.

### **C: Launch Operations**

C/1	1966 Nov	Payload description document UK-3 Satellite
/2	1967 Feb	Operations Plan 3-67 United Kingdom Satellite UK-3
/3	1967 Feb 10- 1967 May 9	Bundle of Telex messages
/4	1967 Feb 20- 1967 May 22	Misc. papers

### **D: Photographs**

D/1	-	UK3 Publicity Model (3 photos in folder)
/2	1966	UK3 Prototype - Solar power checks at Stevenage (2 photos)
/3	1966 Dec	UK3 EMC tests at Goddard (2 photos)
/4	1967 Apr-May	Photos taken at Vandenberg AFB, California

### **E: Press Cuttings etc.**

E/1	1964	Press cuttings
E/2	1965	---as above---
E/3	1966	---as above---
E/4	1967	---as above---
E/5	1968	---as above---

E/6 - ---as above---

E/7 1965-67 Correspondence, press cuttings

**F: Correspondence, diary and papers of associated interest**

Object no. 1992-1004