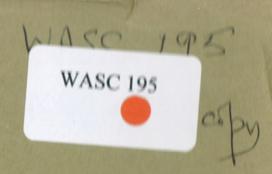
On Her Majesty's Service



28-5-1970

GOVT. R+D. ESTABLISHMENTS INCL. WALTHAM ABBEY

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at the transfer Government Research Establishment

Miss Pike asked the Minister of Technology if he will list all Government research establishments for which his Department is responsible, showing the location and date they were originally

established and showing for each the total staff, qualified scientists and engineers and others, and the cost to public funds of each during the current financial year.

Mr. Benn: Information about Ministry of Technology establishments is given in the tables below.

A	Tarranness	RESPARCH ESTABLISHMENTS	
Α.	INDUSTRIAL.	RESEARCH ESTARI ISHMENTS	

they district the state of	er er er er er er er er er	Year	Estimated
Name	Location	Origin Q.S.E.	Other Net Cost Staff 1968-69 (£000s)
Fire Research Station	Boreham Wood	1946 . 36	148 226
Forest Products Research Laboratory.	Princes Risborough	, 1927 41	147 388
Hydraulics Research Laboratory	Wallingford	1947 43	210 103
Institute of Advanced Machine Tool and Control Technology.	Birnichill (Glasgow)	1967 18	12 , 153
Laboratory of the Government		1911 103	308 886
Chemist.	Bristol, Glasgow, Liverpool, Gosport, Cyprus, Germany (B.A.O.R.) and Singapore).	(Mimol) neites 1 - Part d	eutyt Medicky Zouthaland
National Engineering Labora- tory.	East Kilbride (Glasgow)	1947 11 191	769 2,495
National Physical Laboratory	Teddington, Feltham and Hythe (Hants.)	1900 427	1,293 2,422
Safety in Mines Research Estab- lishment.	Sheffield and Buxton	1911:11 83	324 872
Torry Research Station	Abordeen (also Humber Laboratory at Hull).	1929 36	179 519
Warren Spring Laboratory	Stevenage (also Scottish Office in Glasgow).		
Water Pollution Research Laboratory.		1939 49	154 456
R AVIATIO	N RESEARCH AND DEVELOPMENT	Dorant regrammen	61 7,00 J
B. AVIATIO	TO THE PROPERTY OF THE PROPERT	COTABLISHMEN 13	ह्यू जी
Name		cation	Year of Origin
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1 10 1	Van	
Name	Location Year of Origin	
Aeroplane and Armament Experimental Establishment	Boscombe Down, Amesbury, Wilts 1917	
Aircraft Torpedo Development Unit !	Helston, Cornwall 1942	
Explosives Research and Development	Waltham Abbey, Essex	
Establishment		
National Gas Turbine Establishment	Pyestock, Farnborough, Hants 1956	
	Farnborough, Hants. (outstations at Bedford, West Freugh, Llanbedr, Aberporth and Lark hill)	
Rocket Propulsion Establishment	Westcott, Bucks 1946	
Royal Radar Establishment	Malvern, Worcs. (outstation at Pershore) 1 1942	
Signals Research and Development Establishment	Christchurch, Hants 1943	

Provision is made in the 1970-71 Estimates for a total staff of 17,000 at the aviation R. & D. establishments, including approximately 1,800 qualified scientists and engineers. The provision for net total expenditure is £45 million. It would not be in the public interest to publish precise figures of the staff and annual expenditure of each individual establishment.

Miss Pike asked the Minister of Technology what is the average cost of running the research establishments which come under his Department, for the most recent available year, expressed in pounds sterling per qualified researcher, showing a breakdown between salaries, equipment and buildings.

Mr. Benn: The estimated net cost per qualified scientist/engineer of running the

research establishments which are the direct responsibility of the Minister of Technology are as follows for 1969-70:

Equipment † Buildings1 £12,000 £6,900 £2,800

* Includes remuneration of staff supporting the qualified scientists/engineers and general administrative expenses.

† Includes all stores and services.

† Includes all stores and services.

Includes maintenance and running costs.

B.A.C. 3-11 Project

Mr. Onslow asked the Minister of Technology if he will now make a further statement on the BAC 3-11 project.

Mr. Benn: I have recently received revised proposals for launching aid, and these are being considered.

Research Programmes

Miss Pike asked the Minister of Technology if he will list all the research programmes directly connected with defence or nuclear energy being carried out within the civil and research establishments of the Atomic Energy Authority; and if he will give an indication of the cumulative cost of each so far.

Mr. Benn: Expenditure on the authority's research and development programmes is analysed in the authority's annual reports. The cumulative costs of the major reactor development programmes up to 31st March, 1970 are approximately as follows:

6.40.50.000.000	
Magnox Gas-cooled systems Mark II	. 21
Gas-cooled systems Mark II	111
das-cooged systems Mark III	. 6
o Water-moderated systems	72
Fast systems	123

The cumulative cost of fusion programmes is estimated as £48 million. Final figures will be given in the annual report for 1969-70. Expenditure on other work in support of power reactors and their fuel, on applied nuclear and underlying research work is not broken down into separate programmes. Particulars of defence research cannot be given.

Cammell Laird (Reorganisation)

Mr. Brooks asked the Minister of Technology whether he will now make a statement on the reorganisation of the firm of Cammell Laird following the recent intervention by his Department

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